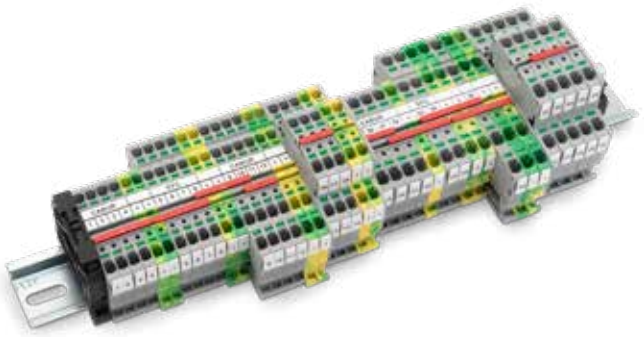
cabur®
CONNECTING ENERGY
SINCE 1952



Industrial connectivity solutions

2024 EDITION

OVER 70 YEARS

cabur
CONNECTING ENERGY
SINCE 1952

Industrial Connectivity Solutions

2024 EDITION

IMQ CERTIFIED
QUALITY MANAGEMENT SYSTEM
ISO 9001:2015

IMQ CERTIFIED
ENVIRONMENTAL MANAGEMENT SYSTEM
ISO 14001:2015

WARNINGS

The characteristics of the products contained in this catalogue are not binding for Cabur and can be changed, without prior notice, due to production requirements or to improve the products. Hence, please contact our technical-commercial network for any necessary confirmations or updates. You can find additional information about this and other Cabur products at our website www.cabur.eu

The Company

Founded in Italy in 1952, Cabur quickly conquered the role of leader amongst the national manufacturers of terminal blocks for electrical panels, always paying particular attention to the needs of installers and to cutting-edge technological solutions.

Today the company develops and manufactures a wide range of products for the electrotechnical and electronic industry which are renowned for their reliability even in extreme conditions of use.

The current production is the result of the many years of experience gained by Cabur as a partner of the main national bodies and companies, perfected through actions and collaborations abroad and includes:

- Connections for electrical panels
- Automation and control solutions
- Industrial marking systems
- Solutions for energy transition

The wide and diversified offer guarantees a level of flexibility and unique ability to find solutions tailored to specific needs, which enables us to respond to the most varied and complex installation needs.

Always oriented towards the improvement of its products, in recent years Cabur has responded to the Industry 4.0 project with the expansion of production facilities and important product innovations.

In pursuing a corporate culture based on Total Quality, Cabur has adopted the main European directives of the reference market and collaborates with the most prestigious national and foreign Institutes and Laboratories.

Its products are the result of qualitative choices of particular relevance in the field of raw materials used that, in addition to providing an ample guarantee of functionality and reliability over time, also work in full compliance with all the Norms, Regulations, Laws and applicable requirements, binding and self-adopted, with full satisfaction of all compliance obligations.

INDUSTRIAL CONNECTIVITY SOLUTIONS

AUTOMATION AND CONTROL SOLUTIONS

INDUSTRIAL MARKING SOLUTIONS

SOLUTIONS FOR ENERGY TRANSITION

www.cabur.eu

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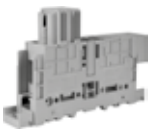
HIGH CURRENT TERMINAL BLOCKS - GPM SERIES





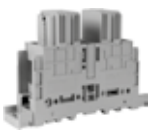


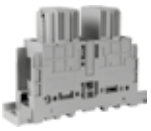













HIGH CURRENT TERMINAL BLOCKS ACB SERIES



HIGH CURRENT TERMINAL BLOCKS - BCA SERIES

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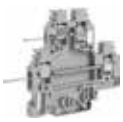
EARTH TERMINAL BLOCKS

TWO LEVELS TERMINAL BLOCKS



THREE LEVELS TERMINAL BLOCKS

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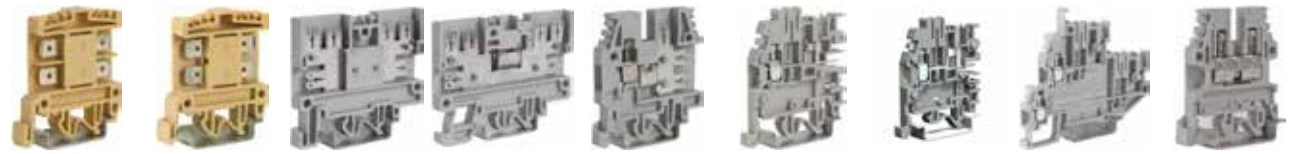

MINI TERMINAL BLOCKS

MODULAR MULTI POLE TERMINAL BLOCKS

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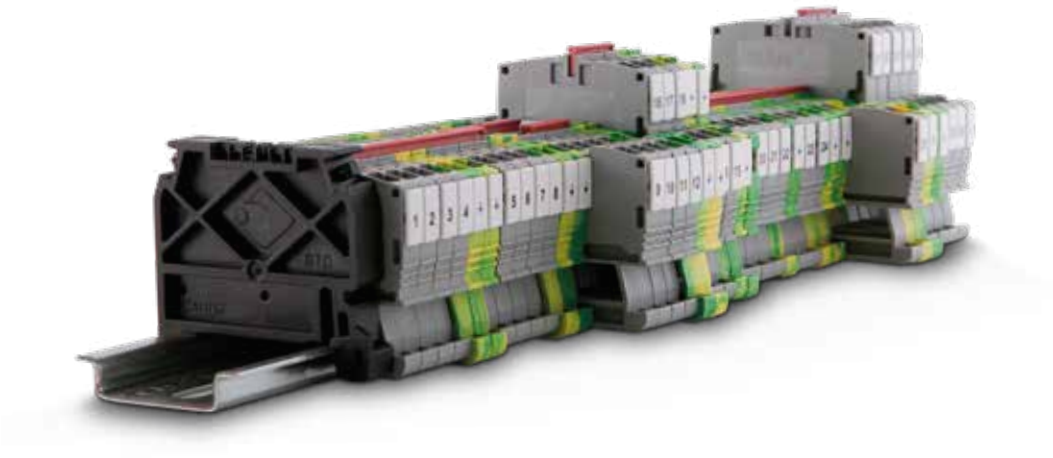
ACCESSORIES

Spring-Clamp Terminal Blocks with Push-In Technology

Cabur EFC: Easy Fast Connection

SPRING CLAMP TERMINAL BLOCKS WITH PUSH-IN TECHNOLOGY



IMQ 18 ATEX 007U I M2 Ex eb I Mb II 2 G Ex eb IIC Gb	IECEx IMQ 18.0002U Ex eb I Mb Ex eb IIC Gb

The new line of EFC products with Push-in connection technology offers a fast, reliable and efficient wiring of all cable types.

REDUCTION OF INSTALLATION TIME, INCREASED PERFORMANCE

The Push-in technology allows cables and hoses to be wired with or without wire clips. Cables are directly inserted in the terminal, with no tooling required to open the clamp spring: just pressing the wire is sufficient to provide a safe and durable electrical connection.

DIRECT PLUG-IN

Connection is so simple, precise and accurate that a switchboard can be wired with a single hand, without impacting performance. This also improves ergonomics. To connect flexible cables without a wire clip, just push the coloured button to open the spring clip and insert the properly stripped cable.

WIRE RELEASE BUTTONS: SPEED, SIMPLICITY AND SAFETY

To remove the wire from the terminal, just press the release button with any tool to open the spring. Release buttons, highlighted by different colours, prevent operators from making mistakes or coming into contact with potentially live parts, even in settings with a high concentration of links.

Speed

The Push-in technology helps reducing wiring times up to 75%.

Safety

An isolated button, identified with a different colour, protects the operator from indirect electrical contacts.

Quality

Having passed all the ATEX Directives, UL and EN60947-7 standards tests, these devices are suitable for any use and environment.

Simplicity

The stainless-steel spring designed by Cabur ensures optimal connection and prevents accidental removal.

Innovation

A compact and highly-visible design optimizes space in automation and control boards.

Efficiency

At last, one single hand is enough to wire an EFC series clamp, for a smoother workflow.

EFC.1 SERIES

PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL FEED-THROUGH

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION	**CODE**	**EFC100GR**	**EFC110GR**	**EFC120GR**
	TYPE	**EFC.1/GR**	**EFC.1/1+2/GR**	**EFC.1/2+2/GR**
BLUE VERSION	**CODE**	**EFC100BL**	**EFC110BL**	**EFC120BL**
	TYPE	**EFC.1/BL**	**EFC.1/1+2/BL**	**EFC.1/2+2/BL**

TECHNICAL CHARACTERISTICS

Function/type		Feed-through	Feed-through	Feed-through
Rated cross-section		1.5 mm²	1.5 mm²	1.5 mm²
Connecting capacity	Flexible wire	0.2-1.5 mm²	0.2-1.5 mm²	0.2-1.5 mm²
	Rigid wire	0.2-1.5 mm²	0.2-1.5 mm²	0.2-1.5 mm²
	Wire with ferrule - ferrule type	1.5 mm² - WP15/14	1.5 mm² - WP15/14	1.5 mm² - WP15/14
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	630 V	630 V	630 V
	Maximum current (rated cross-section)	17.5 A	17.5 A	17.5 A
	Caliber	A1 - B1	A1 - B1	A1 - B1
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	300 V	300 V
	Maximum current (rated cross-section)	15 A	15 A	15 A
	Section (min-max)	26-14 (AWG)	26-14 (AWG)	26-14 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	440 V	440 V	440 V
	Maximum current (rated cross-section)	17 A	17 A	17 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		8 mm	8 mm	8 mm
Widht (pitch)		3.5 mm	3.5 mm	3.5 mm
Length		44.9 mm	56.4 mm	68 mm
Height mounted on TH35-7.5/TH35-15/G32		36.5 / 44 / - mm	36.5 / 44 / - mm	36.5 / 44 / - mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.1/PT/GR (cod. EFC101GR)	EFC.1/1+2/PT/GR (cod. EFC111GR)	EFC.1/2+2/PT/GR (cod. EFC121GR)
	Blue	EFC.1/PT/BL (cod. EFC101BL)	EFC.1/1+2/PT/BL (cod. EFC111BL)	EFC.1/2+2/PT/BL (cod. EFC121BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.1/.../... (cod. EFB01...)	EFB.1/.../... (cod. EFB01...)	EFB.1/.../... (cod. EFB01...)
	Rated current carrying capacity IEC/ATEX	17.5 A / 16 A	17.5 A / 16 A	17.5 A / 16 A
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)	DFE.2+2/R (cod. DFE03R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)
	Single marking tag for pitch insertion	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFC.2 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL FEED-THROUGH

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION	**CODE**	**EFC200GR**	**EFC210GR**	**EFC220GR**
	TYPE	**EFC.2/GR**	**EFC.2/1+2/GR**	**EFC.2/2+2/GR**
BLUE VERSION	**CODE**	**EFC200BL**	**EFC210BL**	**EFC220BL**
	TYPE	**EFC.2/BL**	**EFC.2/1+2/BL**	**EFC.2/2+2/BL**

TECHNICAL CHARACTERISTICS

Function/type		Feed-through	Feed-through	Feed-through
Rated cross-section		2.5 mm²	2.5 mm²	2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Rigid wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	2.5 mm² - WP25/19	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	800 V	800 V	800 V
	Maximum current (rated cross-section)	24 A	24 A	24 A
	Caliber	A3	A3	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	20 A	20 A	20 A
	Section (min-max)	24-12 (AWG)	24-12 (AWG)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	500 V	500 V	500 V
	Maximum current (rated cross-section)	20 A	20 A	20 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		9 mm	9 mm	9 mm
Widht (pitch)		5.2 mm	5.2 mm	5.2 mm
Length		49.6 mm	63.1 mm	76.6 mm
Height mounted on TH35-7.5/TH35-15/G32		39.2 / 46.7 / – mm	39.2 / 46.7 / – mm	39.2 / 46.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.2/PT/GR (cod. EFC201GR)	EFC.2/1+2/PT/GR (cod. EFC211GR)	EFC.2/2+2/PT/GR (cod. EFC221GR)
	Blue	EFC.2/PT/BL (cod. EFC201BL)	EFC.2/1+2/PT/BL (cod. EFC211BL)	EFC.2/2+2/PT/BL (cod. EFC221BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)
	Rated current carrying capacity IEC/ATEX	24 A / 20 A	24 A / 20 A	24 A / 20 A
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)	DFE.2+2/R (cod. DFE03R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFC.4 SERIES

PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL FEED-THROUGH

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION	**CODE**	**EFC400GR**	**EFC410GR**	**EFC420GR**
	TYPE	**EFC.4/GR**	**EFC.4/1+2/GR**	**EFC.4/2+2/GR**
BLUE VERSION	**CODE**	**EFC400BL**	**EFC410BL**	**EFC420BL**
	TYPE	**EFC.4/BL**	**EFC.4/1+2/BL**	**EFC.4/2+2/BL**

TECHNICAL CHARACTERISTICS

Function/type		Feed-through	Feed-through	Feed-through
Rated cross-section		4 mm²	4 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Rigid wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	4 mm² - WP40/16	4 mm² - WP40/16	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	800 V	800 V	800 V
	Maximum current (rated cross-section)	32 A	32 A	32 A
	Caliber	A4	A4	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	30 A	30 A	30 A
	Section (min-max)	24-10 (AWG)	24-10 (AWG)	24-10 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	500 V	500 V	500 V
	Maximum current (rated cross-section)	26 A	26 A	26 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		10 mm	10 mm	10 mm
Widht (pitch)		6.2 mm	6.2 mm	6.2 mm
Length		55.2 mm	71.8 mm	88.4 mm
Height mounted on TH35-7.5/TH35-15/G32		39.2 / 46.7 / – mm	39.2 / 46.7 / – mm	39.2 / 46.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.4/PT/GR (cod. EFC401GR)	EFC.4/1+2/PT/GR (cod. EFC411GR)	EFC.4/2+2/PT/GR (cod. EFC421GR)
	Blue	EFC.4/PT/BL (cod. EFC401BL)	EFC.4/1+2/PT/BL (cod. EFC411BL)	EFC.4/2+2/PT/BL (cod. EFC421BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.4/.../... (cod. EFB04...)	EFB.4/.../... (cod. EFB04...)	EFB.4/.../... (cod. EFB04...)
	Rated current carrying capacity IEC/ATEX	32 A / 26 A	32 A / 26 A	32 A / 26 A
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)	DFE.2+2/R (cod. DFE03R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFC.6 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL FEED-THROUGH

- Reduced wiring time
- Wire release push button

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	**CODE**	**EFC600GR**	**EFC610GR**
	TYPE	**EFC.6/GR**	**EFC.6/1+2/GR**
BLUE VERSION	**CODE**	**EFC600BL**	**EFC610BL**
	TYPE	**EFC.6/BL**	**EFC.6/1+2/BL**

TECHNICAL CHARACTERISTICS

Function/type		Feed-through	Feed-through
Rated cross-section		6 mm²	6 mm²
Connecting capacity	Flexible wire	0.2-10 mm²	0.2-10 mm²
	Rigid wire	0.2-10 mm²	0.2-10 mm²
	Wire with ferrule - ferrule type	6 mm² - WP60/20	6 mm² - WP60/20
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	1000 V	1000 V
	Maximum current (rated cross-section)	41 A	41 A
	Caliber	A5	A5
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V
	Maximum current (rated cross-section)	41 A	41 A
	Section (min-max)	24-8 (AWG)	24-8 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	550 V	550 V
	Maximum current (rated cross-section)	35 A	35 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		8 kV / 3	8 kV / 3
Insulation stripping length		12 mm	12 mm
Widht (pitch)		8.2 mm	8.2 mm
Length		60.4 mm	78.3 mm
Height mounted on TH35-7.5/TH35-15/G32		39.2 / 46.7 / – mm	39.2 / 46.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.6/PT/GR (cod. EFC601GR)	FC.6/1+2/PT/GR (cod. EFC611GR)
	Blue	EFC.6/PT/BL (cod. EFC601BL)	EFC.6/1+2/PT/BL (cod. EFC611BL)
	Thickness	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.6/.../...(cod. EFB06)	EFB.6/.../...(cod. EFB06)
	Rated current carrying capacity IEC/ATEX	41 A / 35 A	41 A / 35 A
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	-	-
	Single marking tag for pitch insertion	-	-
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..

EFD.1 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 2 LEVELS FEED-THROUGH

- Reduced wiring time
- Wire release push button

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	**CODE**	**EFD100GR**	**EFD110GR**	**EFD120GR**
	TYPE	**EFD.1/GR**	**EFD.1/CI/GR**	**EFD.1/E/GR**
BLUE VERSION	**CODE**	**EFD100BL**	**EFD110BL**	
	TYPE	**EFD.1/BL**	**EFD.1/CI/BL**	

TECHNICAL CHARACTERISTICS

Function/type		2 levels feed-through	2 levels with internal connection	2 levels (feed-through + earth)
Rated cross-section		1.5 mm²	1.5 mm²	1.5 mm²
Connecting capacity	Flexible wire	0.2-1.5 mm²	0.2-1.5 mm²	0.2-1.5 mm²
	Rigid wire	0.2-1.5 mm²	0.2-1.5 mm²	0.2-1.5 mm²
	Wire with ferrule - ferrule type	1.5 mm² - WP15/14	1.5 mm² - WP15/14	1.5 mm² - WP15/14
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	630 V	630 V	630 V
	Maximum current (rated cross-section)	16 A	16 A	16 A
	Caliber	A1 - B1	A1 - B1	A1 - B1
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	300 V	600 V
	Maximum current (rated cross-section)	15 A	15 A	15 A
	Section (min-max)	26-14 (AWG)	26-14 (AWG)	26-14 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	440 V	440 V	440 V
	Maximum current (rated cross-section)	16 A	16 A	16 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		8 mm	8 mm	8 mm
Widht (pitch)		3.5 mm	3.5 mm	3.5 mm
Length		81 mm	81 mm	81 mm
Height mounted on TH35-7.5/TH35-15/G32		50 / 57.5 / - mm	50 / 57.5 / - mm	50 / 57.5 / - mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFD.1/PT/GR (cod. EFD101GR)	EFD.1/PT/GR (cod. EFD101GR)	EFD.1/PT/GR (cod. EFD101GR)
	Blue	EFD.1/PT/BL (cod. EFD101BL)	EFD.1/PT/BL (cod. EFD101BL)	EFD.1/PT/BL (cod. EFD101BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.1/.../... (cod. EFB01...)	EFB.1/.../... (cod. EFB01...)	EFB.1/.../... (cod. EFB01...)
	Rated current carrying capacity IEC/ATEX	16 A / 16 A	16 A / 16 A	16 A / 16 A
Coloured partition plate		DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)
	Single marking tag for pitch insertion	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFD.2 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 2 LEVELS FEED-THROUGH

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	CODE	EFD200GR	EFD210GR	EFD220GR
	TYPE	EFD.2/GR	EFD.2/CI/GR	EFD.2/E/GR
BLUE VERSION	CODE	EFD200BL	EFD210BL	
	TYPE	EFD.2/BL	EFD.2/CI/BL	

TECHNICAL CHARACTERISTICS

Function/type		2 levels feed-through	2 levels with internal connection	2 levels (feed-through + earth)
Rated cross-section		2.5 mm²	2.5 mm²	2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Rigid wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	2.5 mm² - WP25/19	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	800 V	800 V	800 V
	Maximum current (rated cross-section)	22 A	22 A	22 A
	Caliber	A3	A3	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	20 A	20 A	20 A
	Section (min-max)	24-12 (AWG)	24-12 (AWG)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	500 V	500 V	500 V
	Maximum current (rated cross-section)	18 A	18 A	18 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		9 mm	9 mm	9 mm
Widht (pitch)		5.2 mm	5.2 mm	5.2 mm
Length		71.6 mm	71.6 mm	71.6 mm
Height mounted on TH35-7.5/TH35-15/G32		53.8 / 61.3 / – mm	53.8 / 61.3 / – mm	53.8 / 61.3 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFD.2/PT/GR (cod. EFD201GR)	EFD.2/PT/GR (cod. EFD201GR)	EFD.2/PT/GR (cod. EFD201GR)
	Blue	EFD.2/PT/BL (cod. EFD201BL)	EFD.2/PT/BL (cod. EFD201BL)	EFD.2/PT/BL (cod. EFD201BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)
	Rated current carrying capacity IEC/ATEX	22 A / 18 A	22 A / 18 A	22 A / 18 A
Coloured partition plate		DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)
Marking	Adhesive numbering strip	–	–	–
	Snap-on numbering strip	–	–	–
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFD.4 SERIES

PUSH-IN TECHNOLOGY TERMINAL BLOCKS 2 LEVELS FEED-THROUGH

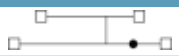
- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	CODE	EFD400GR	EFD410GR	EFD420GR
	TYPE	EFD.4/GR	EFD.4/CI/GR	EFD.4/E/GR
BLUE VERSION	CODE	EFD400BL	EFD410BL	
	TYPE	EFD.4/BL	EFD.4/CI/BL	



TECHNICAL CHARACTERISTICS

Function/type		2 levels feed-through	2 levels with internal connection	2 levels (feed-through + earth)
Rated cross-section		4 mm²	4 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Rigid wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	4 mm² - WP40/16	4 mm² - WP40/16	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	800 V	800 V	800 V
	Maximum current (rated cross-section)	29 A	29 A	29 A
	Caliber	A4	A4	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	30 A	30 A	30 A
	Section (min-max)	24-10 (AWG)	24-10 (AWG)	24-10 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	500 V	500 V	500 V
	Maximum current (rated cross-section)	25 A	25 A	25 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		10 mm	10 mm	10 mm
Widht (pitch)		6.2 mm	6.2 mm	6.2 mm
Length		81.7 mm	81.7 mm	81.7 mm
Height mounted on TH35-7.5/TH35-15/G32		57.7 / 65.2 / – mm	57.7 / 65.2 / – mm	57.7 / 65.2 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFD.4/PT/GR (cod. EFD401GR)	EFD.4/PT/GR (cod. EFD401GR)	EFD.4/PT/GR (cod. EFD401GR)
	Blue	EFD.4/PT/BL (cod. EFD401BL)	EFD.4/PT/BL (cod. EFD401BL)	EFD.4/PT/BL (cod. EFD401BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.4/.../... (cod. EFB04...)	EFB.4/.../... (cod. EFB04...)	EFB.4/.../... (cod. EFB04...)
	Rated current carrying capacity IEC/ATEX	29 A / 25 A	29 A / 25 A	29 A / 25 A
Coloured partition plate		DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)
Marking	Adhesive numbering strip	–	–	–
	Snap-on numbering strip	–	–	–
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFD.2 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 2 LEVELS FEED-THROUGH

- Reduced wiring time
- Wire release push button

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	**CODE**	**EFDS220GR**
	TYPE	**EFDS.2/P/GR**
BLUE VERSION	**CODE**	
	TYPE	

TECHNICAL CHARACTERISTICS

Function/type		2 levels feed-through
Rated cross-section		2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²
	Rigid wire	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	630 V
	Maximum current (rated cross-section)	20 A
	Caliber	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V
	Maximum current (rated cross-section)	20 A
	Section (min-max)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–
	Maximum current (rated cross-section)	–
	Operating temperature Min/Max	–
Rated impulse withstand voltage / pollution degree		6 kV / 3
Insulation stripping length		9 mm
Widht (pitch)		5.2 mm
Length		110 mm
Height mounted on TH35-7.5/TH35-15/G32		54.5 / 62 / – mm
Insulation material temperature index (EN 60216-1)		130 °C
Plastic material		Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFDS.2/PT/GR (cod. EFDS201GR)
	Blue	–
	Thickness	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)
	Rated current carrying capacity IEC/ATEX	20 A / –
Coloured partition plate		–
Marking	Adhesive numbering strip	–
	Snap-on numbering strip	–
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..

EFT.2 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 3 LEVELS FEED-THROUGH

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- Reduced wiring time
- Wire release push button

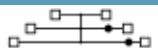
IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	CODE	EFT200GR	EFT210GR	EFT220GR
	TYPE	EFT.2/GR	EFT.2/CI/GR	EFT.2/E/GR
BLUE VERSION	CODE	EFT200BL	EFT210BL	
	TYPE	EFT.2/BL	EFT.2/CI/BL	

TECHNICAL CHARACTERISTICS



Function/type		3 levels feed-through	3 levels with internal connection	3 levels- 2 feed-through + earth
Rated cross-section		2.5 mm²	2.5 mm²	2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Rigid wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	2.5 mm² - WP25/19	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	800 V	800 V	800 V
	Maximum current (rated cross-section)	24 A	24 A	24 A
	Caliber	A3	A3	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	20 A	20 A	20 A
	Section (min-max)	24-12 (AWG)	24-12 (AWG)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	320 V	320 V	320 V
	Maximum current (rated cross-section)	20 A	20 A	20 A
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		9 mm	9 mm	9 mm
Widht (pitch)		5.2 mm	5.2 mm	5.2 mm
Length		106.2 mm	106.2 mm	106.2 mm
Height mounted on TH35-7.5/TH35-15/G32		68.4 / 75.9 / – mm	68.4 / 75.9 / – mm	68.4 / 75.9 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFT.2/PT/GR (cod. EFT201GR)	EFT.2/PT/GR (cod. EFT201GR)	EFT.2/PT/GR (cod. EFT201GR)
	Blue	EFT.2/PT/BL (cod. EFT201BL)	EFT.2/PT/BL (cod. EFT201BL)	–
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)
	Rated current carrying capacity IEC/ATEX	24 A / 18 A	24 A / 18 A	24 A / 18 A
Coloured partition plate		–	–	–
Marking	Adhesive numbering strip	–	–	–
	Snap-on numbering strip	–	–	–
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFT.2 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 3 LEVELS FEED-THROUGH

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	**CODE**	**EFT250GR**
	TYPE	**EFT.2/S/GR**
BLUE VERSION	**CODE**	
	TYPE	

TECHNICAL CHARACTERISTICS

Function/type		3 levels - for sensors
Rated cross-section		2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²
	Rigid wire	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	250 V
	Maximum current (rated cross-section)	23 A
	Caliber	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V
	Maximum current (rated cross-section)	20 A
	Section (min-max)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	200 V
	Maximum current (rated cross-section)	21 A
	Operating temperature Min/Max	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3
Insulation stripping length		9 mm
Widht (pitch)		5.2 mm
Length		89 mm
Height mounted on TH35-7.5/TH35-15/G32		43.9 / 51.4 / – mm
Insulation material temperature index (EN 60216-1)		130 °C
Plastic material		Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFT.2/S/PT/GR (cod. EFT251GR)
	Blue	–
	Thickness	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)
	Rated current carrying capacity IEC/ATEX	24 A / 18 A
Coloured partition plate		–
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..

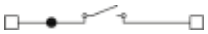
EFS SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL WITH DISCONNECTOR

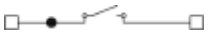
- Reduced wiring time
- Wire release push button

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	**CODE**	**EFS200GR**	**EFS400GR**
	TYPE	**EFS.2/GR**	**EFS.4/GR**
BLUE VERSION	**CODE**	**EFS200BL**	**EFS400BL**
	TYPE	**EFS.2/BL**	**EFS.4/BL**

TECHNICAL CHARACTERISTICS





Function/type		Disconnector	Disconnector
Rated cross-section		2.5 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-6 mm²
	Rigid wire	0.2-4 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	630 V	630 V
	Maximum current (rated cross-section)	13 A	26 A
	Caliber	A3	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	600 V
	Maximum current (rated cross-section)	12 A	18.5 A
	Section (min-max)	24-12 (AWG)	24-10 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–
	Maximum current (rated cross-section)	–	–
	Operating temperature Min/Max	–	–
Rated impulse withstand voltage / pollution degree		4 kV / 3	4 kV / 3
Insulation stripping length		9 mm	10 mm
Widht (pitch)		5.2 mm	6.2 mm
Length		49.6 mm	55.2 mm
Height mounted on TH35-7.5/TH35-15/G32		41.2 / 48.7 / – mm	41.2 / 48.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.2/PT/GR (cod. EFC201GR)	EFC.4/PT/GR (cod. EFC401GR)
	Blue	EFC.2/PT/BL (cod. EFC201BL)	EFC.4/PT/BL (cod. EFC401BL)
	Thickness	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)	EFB.4/.../... (cod. EFB04...)
	Rated current carrying capacity IEC/ATEX	24 A	32 A
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+1/R (cod. DFE01R)
Marking	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..

EFS SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 2 LEVELS WITH DISCONNECTOR

- Reduced wiring time
- Wire release push button

(1) For more details on accessories, refer to the relevant chapters

GREY VERSION	CODE	EFDS200GR	EFDS210GR
	TYPE	EFDS.2/GR	EFDS.2/1S/GR
BLUE VERSION	CODE		
	TYPE		

TECHNICAL CHARACTERISTICS

Function/type		2 levels with 2 disconnectors	2 piani (passante + sezionabile)
Rated cross-section		2.5 mm²	2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-4 mm²
	Rigid wire	0.2-4 mm²	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	630 V	630 V
	Maximum current (rated cross-section)	17 A	17 A
	Caliber	A3	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	300 V
	Maximum current (rated cross-section)	12 A	12 A
	Section (min-max)	24-12 (AWG)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–
	Maximum current (rated cross-section)	–	–
	Operating temperature Min/Max	–	–
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3
Insulation stripping length		9 mm	9 mm
Widht (pitch)		5.2 mm	5.2 mm
Length		110 mm	110 mm
Height mounted on TH35-7.5/TH35-15/G32		54 / 61.5 / – mm	54 / 61.5 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C
Plastic material		Polyamide UL94V-0	Poliammide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFDS.2/PT/GR (cod. EFDS201GR)	EFDS.2/PT/GR (cod. EFDS201GR)
	Blue	–	–
	Thickness	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)
	Rated current carrying capacity IEC/ATEX	17 A / –	17 A / –
Coloured partition plate		–	–
Marking	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..

EFF.4 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL FUSE-HOLDER

- Accessory with alarm LED, available separately
- Accessory with 1 A or 3 A diode, available separately



For more details on accessories, refer to the relevant chapters
(1) Value limited by the certification rating of the fuse

GREY VERSION	CODE	EFF400GR	EFF448GR	EFF423GR
	TYPE	EFF.4/GR	EFF.4/C48/GR	EFF.4/C230/GR
BLUE VERSION	CODE	EFF400BL		
	TYPE	EFF.4/BL		

TECHNICAL CHARACTERISTICS



Function/type		Fuse-holder 5x20	Fuse-holder 5x20 with alarm	Fuse-holder 5x20 with alarm
Rated cross-section		4 mm²	4 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Rigid wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	4 mm² - WP40/16	4 mm² - WP40/16	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	630 V	48 V	230 V
	Maximum current (rated cross-section)	6.3 A (1)	6.3 A (1)	6.3 A (1)
	Caliber	A4	A4	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	48 V	230 V
	Maximum current (rated cross-section)	6.3 A (1)	6.3 A (1)	6.3 A (1)
	Section (min-max)	24-10 (AWG)	24-10 (AWG)	24-10 (AWG)
Rated impulse withstand voltage / pollution degree		4 kV / 3	4 kV / 3	4 kV / 3
Insulation stripping length		10 mm	10 mm	10 mm
Widht (pitch)		6.2 mm	6.2 mm	6.2 mm
Length		55.2 mm	55.2 mm	55.2 mm
Height mounted on TH35-7.5/TH35-15/G32		67.1 / 74.6 / – mm	67.1 / 74.6 / – mm	67.1 / 74.6 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

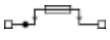
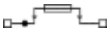
ACCESSORIES

End section	Grey	EFC.4/PT/GR (cod. EFC401GR)	EFC.4/PT/GR (cod. EFC401GR)	EFC.4/PT/GR (cod. EFC401GR)
	Blue	EFC.4/PT/BL (cod. EFC401BL)	EFC.4/PT/BL (cod. EFC401BL)	EFC.4/PT/BL (cod. EFC401BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.4/.../... (cod. EFB04...)	EFB.4/.../... (cod. EFB04...)	EFB.4/.../... (cod. EFB04...)
	Rated current carrying capacity IEC/ATEX	32 A	32 A	32 A
	Diaframma separazione morsetti	DFE.1+1/R (cod. DFE01R)	DFE.1+1/R (cod. DFE01R)	DFE.1+1/R (cod. DFE01R)
Marking	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
Fuse type		5x20 mm (1)	5x20 mm (1)	5x20 mm (1)
Conductive element		CO/5 (cod. VL103)	CO/5 (cod. VL103)	CO/5 (cod. VL103)
Light alarm circuit (12...48 V)		CIL/12–24–48 (cod. CB518)	Already mounted	–
Light alarm circuit (110...230 V)		CIL/115–230 (cod. CB523)	–	Already mounted
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

PUSH-IN TECHNOLOGY TERMINAL BLOCKS
2 LEVELS FUSE-HOLDER

- Suitable for 5x20 mm fuses
- Accessory with alarm LED, available separately
- Accessory with 1 A or 3 A diode, available separately
- ATTENTION: insert an end section between two adjacent terminals, due to the difference in thickness between the cartridge and the terminal block.

For more details on accessories, refer to the relevant chapters
(1) Value limited by the certification rating of the fuse

GREY VERSION	CODE / TYPE	EFDS202GR CPFE.2 + EFDS.2/GR	EFDS212GR CPFE.2 + EFDS.2/1S/GR	EFS202GR CPFE.2 + EFS.2/GR	EFS402GR CPFE.4 + EFS.4/GR
TECHNICAL CHARACTERISTICS					
Function/type		2 levels (fuse-holder + disconnector)	3 levels (fuse-holder + feed-through)	Fuse-holder 5x20	Fuse-holder 5x20
Rated cross-section		2.5 mm²	2.5 mm²	2.5 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²	0.2-6 mm²
	Rigid wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	2.5 mm² - WP25/19	2.5 mm² - WP25/19	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	250 V	250 V	250 V	250 V
	Maximum current (rated cross-section)	6.3 A (1)	6.3 A (1)	6.3 A (1)	6.3 A (1)
	Caliber	A3	A3	A3	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	300 V	300 V	300 V
	Maximum current (rated cross-section)	6.3 A (1)	6.3 A (1)	6.3 A (1)	6.3 A (1)
	Section (min-max)	24-12 (AWG)	24-12 (AWG)	24-12 (AWG)	24-10 (AWG)
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3	4 kV / 3
Insulation stripping length		9 mm	9 mm	9 mm	10 mm
Widht (pitch)		5.2 mm	5.2 mm	5.2 mm	6.2 mm
Length		110 mm	110 mm	55.2 mm	55.2 mm
Height mounted on TH35-7.5/TH35-15/G32		54 / 61.5 / – mm	54 / 61.5 / – mm	67.1 / 74.6 / – mm	67.1 / 74.6 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS AND MARKINGS		c UL us	c UL us	c UL us	c UL us
ACCESSORIES					
End section	Grey	EFDS.2/PT/GR (cod. EFDS201GR)	EFDS.2/PT/GR (cod. EFDS201GR)	EFC.2/PT/GR (cod. EFC201GR)	EFC.4/PT/GR (cod. EFC401GR)
	Blue	–	–	EFT.2/PT/BL (cod. EFT201BL)	EFC.4/PT/BL (cod. EFC401BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm	1.5 mm
Cross-connection	(1)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)	EFB.2/.../... (cod. EFB02...)	EFB.4/.../... (cod. EFB04...)
	Rated current carrying capacity IEC/ATEX	24 A	24 A	24 A	32 A
	Diaframma separazione morsetti	–	–	DFE.1+1/R (cod. DFE01R)	DFE.1+1/R (cod. DFE01R)
Marking	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
Fuse type		5x20 mm (1)	5x20 mm (1)	5x20 mm (1)	5x20 mm (1)
Conductive element		CO/5 (cod. VL103)	CO/5 (cod. VL103)	CO/5 (cod. VL103)	CO/5 (cod. VL103)
Light alarm circuit (12...48 V)		CIL/12–24–48 (cod. CB518)	CIL/12–24–48 (cod. CB518)	CIL/12–24–48 (cod. CB518)	CIL/12–24–48 (cod. CB518)
Light alarm circuit (110...230 V)		CIL/115–230 (cod. CB523)	CIL/115–230 (cod. CB523)	CIL/115–230 (cod. CB523)	CIL/115–230 (cod. CB523)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..	PR/3/..

EFCE.1 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL EARTH CONNECTION

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

For more details on accessories, refer to the relevant chapters



YELLOW/GREEN VERSION	CODE	EFCE100	EFCE110	EFCE120
	TYPE	EFCE.1	EFCE.1/1+2	EFCE.1/2+2

TECHNICAL CHARACTERISTICS

Function/Type		Earth terminal blocks	Earth terminal blocks	Earth terminal blocks
Rated cross-section		1.5 mm²	1.5 mm²	1.5 mm²
Connecting capacity	Flexible wire	0.2-1.5 mm²	0.2-1.5 mm²	0.2-1.5 mm²
	Rigid wire	0.2-1.5 mm²	0.2-1.5 mm²	0.2-1.5 mm²
	Wire with ferrule - ferrule type	1.5 mm² - WP15/14	1.5 mm² - WP15/14	1.5 mm² - WP15/14
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Caliber	A1 - B1	A1 - B1	A1 - B1
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	300 V	300 V
	Maximum current (rated cross-section)	–	–	–
	Section (min-max)	26-14 (AWG)	26-14 (AWG)	26-14 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		8 mm	8 mm	8 mm
Widht (pitch)		3.5 mm	3.5 mm	3.5 mm
Length		48.4 mm	60 mm	68 mm
Height mounted on TH35-7.5/TH35-15/G32		36.5 / 44 / - mm	36.5 / 44 / - mm	36.5 / 44 / - mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.1/PT/GR (cod. EFC101GR)	EFC.1/1+2/PT/GR (cod. EFC111GR)	EFC.1/2+2/PT/GR (cod. EFC121GR)
	Blue	EFC.1/PT/BL (cod. EFC101BL)	EFC.1/1+2/PT/BL (cod. EFC111BL)	EFC.1/2+2/PT/BL (cod. EFC121BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)	DFE.2+2/R (cod. DFE03R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)
	Single marking tag for pitch insertion	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFCE.2 SERIES

PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL EARTH CONNECTION

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

For more details on accessories, refer to the relevant chapters

YELLOW/GREEN VERSION	CODE	EFCE200	EFCE210	EFCE220
	TYPE	EFCE.2	EFCE.2/1+2	EFCE.2/2+2

TECHNICAL CHARACTERISTICS

Function/Type		Earth terminal blocks	Earth terminal blocks	Earth terminal blocks
Rated cross-section		2.5 mm²	2.5 mm²	2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Rigid wire	0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19	2.5 mm² - WP25/19	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Caliber	A3	A3	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	–	–	–
	Section (min-max)	24-12 (AWG)	24-12 (AWG)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		9 mm	9 mm	9 mm
Widht (pitch)		5.2 mm	5.2 mm	5.2 mm
Length		51.1 mm	64.6 mm	78.1 mm
Height mounted on TH35-7.5/TH35-15/G32		39.2 / 46.7 / – mm	39.2 / 46.7 / – mm	39.2 / 46.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.2/PT/GR (cod. EFC201GR)	EFC.2/1+2/PT/GR (cod. EFC211GR)	EFC.2/2+2/PT/GR (cod. EFC221GR)
	Blue	EFC.2/PT/BL (cod. EFC201BL)	EFC.2/1+2/PT/BL (cod. EFC211BL)	EFC.2/2+2/PT/BL (cod. EFC221BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)	DFE.2+2/R (cod. DFE03R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFCE.4 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL EARTH CONNECTION

cabur

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U I M2 Ex eb I Mb II 2G Ex eb IIC Gb	IECEx IMQ 18.0002U Ex eb I Mb Ex eb IIC Gb

For more details on accessories, refer to the relevant chapters

YELLOW/GREEN VERSION	CODE	EFCE400	EFCE410	EFCE420
	TYPE	EFCE.4	EFCE.4/1+2	EFCE.4/2+2

TECHNICAL CHARACTERISTICS

Function/Type		Earth terminal blocks	Earth terminal blocks	Earth terminal blocks
Rated cross-section		4 mm²	4 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Rigid wire	0.2-6 mm²	0.2-6 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	4 mm² - WP40/16	4 mm² - WP40/16	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Caliber	A4	A4	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V	600 V
	Maximum current (rated cross-section)	–	–	–
	Section (min-max)	24-10 (AWG)	24-10 (AWG)	24-10 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		10 mm	10 mm	10 mm
Widht (pitch)		6.2 mm	6.2 mm	6.2 mm
Length		55.2 mm	71.8 mm	88.4 mm
Height mounted on TH35-7.5/TH35-15/G32		39.2 / 46.7 / – mm	39.2 / 46.7 / – mm	39.2 / 46.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

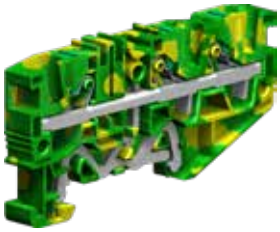
APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.4/PT/GR (cod. EFC401GR)	EFC.4/1+2/PT/GR (cod. EFC411GR)	EFC.4/2+2/PT/GR (cod. EFC421GR)
	Blue	EFC.4/PT/BL (cod. EFC401BL)	EFC.4/1+2/PT/BL (cod. EFC411BL)	EFC.4/2+2/PT/BL (cod. EFC421BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)	DFE.2+2/R (cod. DFE03R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

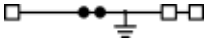
EFCE.6 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 1 LEVEL EARTH CONNECTION

- Reduced wiring time
- Wire release push button



For more details on accessories, refer to the relevant chapters

YELLOW/GREEN VERSION	CODE	EFCE600	EFCE610
	TYPE	EFCE.6	EFCE.6/1+2



TECHNICAL CHARACTERISTICS

Function/Type		Earth terminal blocks	Earth terminal blocks
Rated cross-section		6 mm²	6 mm²
Connecting capacity	Flexible wire	0.2-10 mm²	0.2-10 mm²
	Rigid wire	0.2-10 mm²	0.2-10 mm²
	Wire with ferrule - ferrule type	6 mm² - WP60/20	6 mm² - WP60/20
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–	–
	Maximum current (rated cross-section)	–	–
	Caliber	A5	A5
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V	600 V
	Maximum current (rated cross-section)	–	–
	Section (min-max)	24-8 (AWG)	24-8 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–
	Maximum current (rated cross-section)	–	–
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		8 kV / 3	8 kV / 3
Insulation stripping length		12 mm	12 mm
Widht (pitch)		8.2 mm	8.2 mm
Length		60.4 mm	78.3 mm
Height mounted on TH35-7.5/TH35-15/G32		39.2 / 46.7 / – mm	39.2 / 46.7 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFC.6/PT/GR (cod. EFC601GR)	EFC.6/PT/GR (cod. EFC601GR)
	Blue	EFC.6/PT/BL (cod. EFC601BL)	EFC.6/PT/BL (cod. EFC601BL)
	Thickness	1.5 mm	1.5 mm
Coloured partition plate		DFE.1+1/R (cod. DFE01R)	DFE.1+2/R (cod. DFE02R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	TMM102105AW (cod. TMM102105AW)
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	TMM102105W (cod. TMM102105W)
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion		
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..

EFDE SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 2 LEVELS EARTH CONNECTION

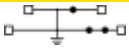
cabur

- Reduced wiring time
- Wire release push button

IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

For more details on accessories, refer to the relevant chapters

YELLOW/GREEN VERSION	CODE	EFDE100	EFDE200	EFDE400
	TYPE	EFDE.1	EFDE.2	EFDE.4
TECHNICAL CHARACTERISTICS				
Function/Type		2 levels earth terminal blocks	2 levels earth terminal blocks	2 levels earth terminal blocks
Rated cross-section		1.5 mm²	2.5 mm²	4 mm²
Connecting capacity	Flexible wire	0.2-1.5 mm²	0.2-4 mm²	0.2-6 mm²
	Rigid wire	0.2-1.5 mm²	0.2-4 mm²	0.2-6 mm²
	Wire with ferrule - ferrule type	1.5 mm² - WP15/14	2.5 mm² - WP25/19	4 mm² - WP40/16
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Caliber	A1 - B1	A3	A4
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	300 V	600 V	600 V
	Maximum current (rated cross-section)	–	–	–
	Section (min-max)	26-14 (AWG)	24-12 (AWG)	24-10 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Operating temperature Min/Max	-40 °C / +110 °C	-40 °C / +110 °C	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3	6 kV / 3	6 kV / 3
Insulation stripping length		8 mm	9 mm	10 mm
Widht (pitch)		3.5 mm	5.2 mm	6.2 mm
Length		81 mm	71.6 mm	81.7 mm
Height mounted on TH35-7.5/TH35-15/G32		50 / 57.5 / - mm	53.8 / 61.3 / – mm	57.7 / 65.2 / – mm
Insulation material temperature index (EN 60216-1)		130 °C	130 °C	130 °C
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS AND MARKINGS				
ACCESSORIES				
End section	Grey	EFD.1/PT/GR (cod. EFD101GR)	EFD.2/PT/GR (cod. EFD201GR)	EFD.4/PT/GR (cod. EFD401GR)
	Blue	EFD.1/PT/BL (cod. EFD101BL)	EFD.2/PT/BL (cod. EFD201BL)	EFD.4/PT/BL (cod. EFD401BL)
	Thickness	1.5 mm	1.5 mm	1.5 mm
Coloured partition plate		DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)
Marking	Adhesive numbering strip	TMM102105AW (cod. TMM102105AW)	–	–
	Snap-on numbering strip	TMM102105W (cod. TMM102105W)	–	–
	Single marking tag	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/35 (cod. NU0835S), CNU/10/35 (cod. NU1035S)	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)	CNU/8/61 (cod. NU0861S), CNU/10/61 (cod. NU1061S)
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..

EFTE.2 SERIES
PUSH-IN TECHNOLOGY TERMINAL BLOCKS 3 LEVELS EARTH CONNECTION

- Reduced wiring time
- Wire release push button

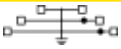
IMQ 18 ATEX 007U
I M2 Ex eb I Mb
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U
Ex eb I Mb
Ex eb IIC Gb

For more details on accessories, refer to the relevant chapters

YELLOW/GREEN VERSION		CODE	EFTE200
		TYPE	EFTE.2

TECHNICAL CHARACTERISTICS



Function/Type		3 levels earth terminal blocks
Rated cross-section		2.5 mm²
Connecting capacity	Flexible wire	0.2-4 mm²
	Rigid wire	0.2-4 mm²
	Wire with ferrule - ferrule type	2.5 mm² - WP25/19
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–
	Maximum current (rated cross-section)	–
	Caliber	A3
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 V
	Maximum current (rated cross-section)	–
	Section (min-max)	24-12 (AWG)
Electrical characteristics according to ATEX directive and IEC Ex standard	Maximum voltage AC/DC	–
	Maximum current (rated cross-section)	–
	Operating temperature Min/Max	-40 °C / +110 °C
Rated impulse withstand voltage / pollution degree		6 kV / 3
Insulation stripping length		9 mm
Widht (pitch)		5.2 mm
Length		106.2 mm
Height mounted on TH35-7.5/TH35-15/G32		68.4 / 75.9 / – mm
Insulation material temperature index (EN 60216-1)		130 °C
Plastic material		Polyamide UL94V-0

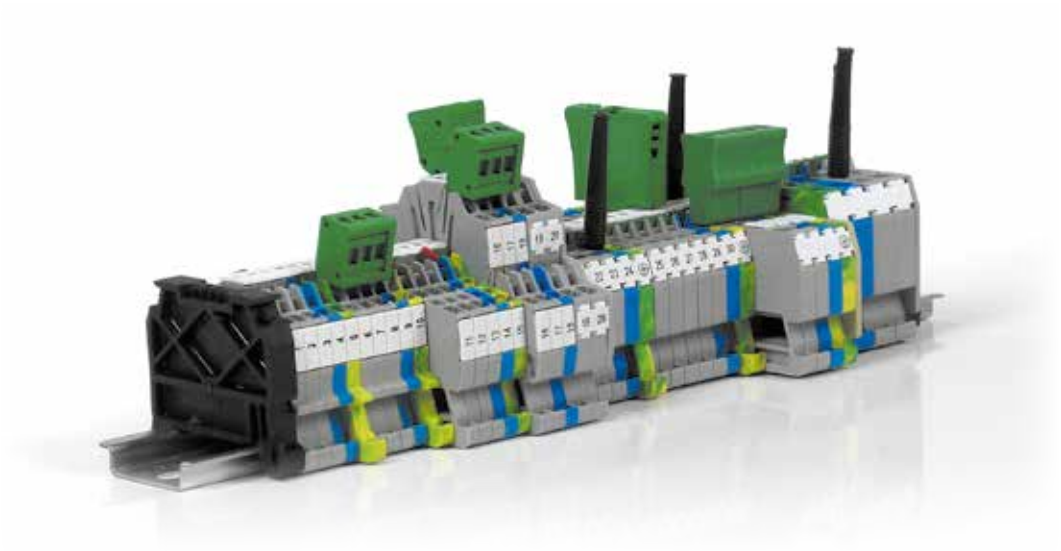
APPROVALS AND MARKINGS

ACCESSORIES

End section	Grey	EFT.2/PT/GR (cod. EFT201GR)
	Blue	–
	Thickness	1.5 mm
Coloured partition plate		–
Marking	Adhesive numbering strip	–
	Snap-on numbering strip	–
	Single marking tag	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
	Single marking tag for pitch insertion	CNU/8/51 (cod. NU0851S), CNU/10/51 (cod. NU1051S)
End bracket	TH35 screw type	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)
	DIN rail according to IEC 60715/TH35	PR/3/..

Spring-Clamp Terminal Blocks

SPRING CLAMP TERMINAL BLOCKS



INERIS 16 ATEX 9002 UI I M2 Ex e I Mb II 2 G Ex E IIC Gb	IECEx INE 16.0032U Ex e I Mb Ex e IIC Gb

For the creation of high harness volumes, for conductors from 0.2 to 25 mm2 and reduced current intensity values, CABUR proposes its range of spring-clamp terminal blocks.
To protect the clamping system, the insulating body includes a stopper which prevents the spring from going beyond the threshold of its elastic field, if is activated by inexpert hands.
Adequate sizing of the wire introduction chamber, responding to the requirements of the IEC 60947-1 Standard, guarantees insertion of any type of conductor of the nominal size, also butted with a terminal.
The connection that results from this, in relation to the technology adopted, has the maximum reliability and safety thanks to the quality of the materials used and to the particular conformation of the components needed for the purpose, avoiding damage to the strands of the conductors in the presence of unprepared flexible wires.
The wire entry is perpendicular to the installation surface determining a further reduction of times and costs of the wiring operations above all where the spaces are particularly limited.
To connect together several contiguous elements, a practical and safe bridging system is available.

Terminal blocks with rated cross-sections of between 1.5 and 16 mm2 have the possibility of being connected together in the most disparate ways thanks to our exclusive "Easy Bridge" rapid connection system (**PTC**), which combines efficiency, rapidity and flexibility providing at the same time a exceptional economic result; these characteristics together with the resulting **IPXXB intrinsic installation without the aid of further insulation protections** (of wires, terminal blocks and parallel connections), guarantees better connectivity than that offered by the competitors.

CNU/8

SHZ

MARKING SYSTEMS

In our marking system the same multiple numbering strip (**SHZ**) can be inserted on the sides of the terminal block or in the specific seats present in the upper part of the terminal block itself.

This means easy identification of each terminal block from every viewing angle within the electrical panel. The numbering can be done also with the single standard-type **CNU/8** tags.

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

GREY VERSION			CODE / TYPE	**HM400GR** HMM.1/GR	**HM410GR** HMM.1/1+2/GR	**HM420GR** HMM.1/2+2/GR
BLUE VERSION			CODE / TYPE	**HI400** HMM.1 (EX)I	**HI410** HMM.1/1+2 (EX)I	**HI420** HMM.1/2+2 (EX)I
TECHNICAL CHARACTERISTICS						
Function/type				feed-through	feed-through	feed-through
Rated cross-section			(mm²)	1.5	1.5	1.5
Connecting capacity	Flexible		(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Rigid		(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	500	500	500
	Max current with rated cross-section		(A)	17.5	17.5	17.5
	Section		Caliber	B2	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	15	15	15
	Section Min - Max		(AWG)	26-14	26-14	26-14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	400	400	400
	Max current with rated cross-section		(A)	17.5	17.5	17.5
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	9	9	9
Length			(mm)	45	56	65
Width			(mm)	4.2	4.2	4.2
Height mounted on TH35/7.5			(mm)	43	43	43
Height mounted on TH35/15			(mm)	51	51	51
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.1/PT/GR (cod. HM401GR)	HMT.1/1+2/PT/GR (cod. HM411GR)	HMT.1/2+2/PT/GR (cod. HM421GR)
	Blue			HMT.1/PT (Ex)i (cod. HI401)	HMT.1/1+2/PT (Ex)i (cod. HI411)	HMT.1/2+2/PT (Ex)i (cod. HI421)
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/1/... (cod. PTC01...)	PTC/1/... (cod. PTC01...)	PTC/1/... (cod. PTC01...)
	PTP version (1)			-	-	-
	Rated current		(A)	17.5	17.5	17.5
Cross-connection identification strip	green			PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/2/R (cod. DH02R)	DFH/3/R (cod. DH03R)
Cross connection barrier	red			DFM/500 (cod. DF500)	DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug				-	-	-
Modular test plug				SDH/4 (cod. DH004)	SDH/4 (cod. DH004)	SDH/4 (cod. DH004)
End section for modular test plug				SH4/PT (cod. DH401)	SH4/PT (cod. DH401)	SH4/PT (cod. DH401)
Numbering strip				SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	HM500GR HMM.2/GR	HM510GR HMM.2/1+2/GR	HM520GR HMM.2/2+2/GR
BLUE VERSION			CODE TYPE	HI500 HMM.2 (EX)I	HI510 HMM.2/1+2 (EX)I	HI520 HMM.2/2+2 (EX)I
TECHNICAL CHARACTERISTICS						
Function/type				feed-through	feed-through	feed-through
Rated cross-section			(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2–4	0.2–4	0.2–4
	Rigid		(mm²)	0.2–4	0.2–4	0.2–4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5–WP25/14	2.5–WP25/14	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	800	800	800
	Max current with rated cross-section		(A)	24	24	24
	Section		Caliber	A3	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	20	20	20
	Section Min - Max		(AWG)	24-12	24-12	24-12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	500	500	500
	Max current with rated cross-section		(A)	24	24	24
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	10	10	10
Length			(mm)	50	66	82
Width			(mm)	5.2	5.2	5.2
Height mounted on TH35/7.5			(mm)	41	41	41
Height mounted on TH35/15			(mm)	49	49	49
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.2/PT/GR (cod. HM501GR)	HMT.2/1+2/PT/GR (cod. HM511GR)	HMT.2/2+2/PT/GR (cod. HM521GR)
	Blue			HMT.2/PT (Ex)i (cod. HI501)	HMT.2/1+2/PT (Ex)i (cod. HI511)	HMT.2/2+2/PT (Ex)i (cod. HI521)
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)
	Rated current		(A)	24	24	24
Cross-connection identification strip	green			PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/2/R (cod. DH02R)	DFH/3/R (cod. DH03R)
Cross connection barrier	red			-	-	-
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				SDH/5 (cod. DH005)	SDH/5 (cod. DH005)	SDH/5 (cod. DH005)
End section for modular test plug				SH5/PT (cod. DH501)	SH5/PT (cod. DH501)	SH5/PT (cod. DH501)
Numbering strip				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

SPRING CLAMP TERMINAL BLOCKS



(1) See chapter accessories for more details

GREY VERSION		CODE / TYPE	HMS20GR HMM.2/1+2/S/GR	HM170GR HMM.2/2+2/A/GR	HMS10GR HMM.2/2+2/S/GR
BLUE VERSION		**CODE / TYPE**			
TECHNICAL CHARACTERISTICS					
Function/type			disconnect	disconnect (open version)	disconnect
Rated cross-section		(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible	(mm²)	0.2–4	0.2–4	0.2–4
	Rigid	(mm²)	0.2–4	0.2–4	0.2–4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14	2.5–WP25/14	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	400	400	400
	Max current with rated cross-section	(A)	16	16	16
	Section	Caliber	A3	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Section Min - Max	(AWG)	-	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Operating temperature	(°C)	-	-	-
Rated impulse withstand voltage/pollution degree			6 KV / 3	4 KV / 3	6 KV / 3
Insulation stripping length		(mm)	10	10	10
Length		(mm)	66	82	82
Width		(mm)	5.2	5.2	5.2
Height mounted on TH35/7.5		(mm)	48	37	48
Height mounted on TH35/15		(mm)	56	45	56
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS			EAC KEMA KEUR RINA Enel	EAC KEMA KEUR RINA Enel	EAC KEMA KEUR RINA Enel
ACCESSORIES					
End section	Grey		HMT.2/1+2/PT/GR (cod. HM511GR)	HMT.2/2+2/PT/GR (cod. HM521GR)	HMT.2/2+2/PT/GR (cod. HM521GR)
	Blue		-	-	-
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		-	-	-
	PTP version (1)		-	-	-
	Rated current	(A)	-	-	-
Cross-connection identification strip	green		-	-	-
Coloured partition	red		DFH/2/R (cod. DH02R)	DFH/3/R (cod. DH03R)	DFH/3/R (cod. DH03R)
Cross connection barrier	red		-	-	-
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug			SDH/5 (cod. DH005)	SDH/5 (cod. DH005)	SDH/5 (cod. DH005)
End section for modular test plug			SH5/PT (cod. DH501)	SH5/PT (cod. DH501)	SH5/PT (cod. DH501)
Numbering strip			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			-	-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

GREY VERSION		CODE / TYPE	**HM250GR** HMM.4/GR	**HM210GR** HMM.4/1+2/GR	**HM220GR** HMM.4/2+2/GR
BLUE VERSION		CODE / TYPE	**HI250** HMM.4 (EX)I	**HI210** HMM.4/1+2 (EX)I	**HI220** HMM.4/2+2 (EX)I
TECHNICAL CHARACTERISTICS					
Function/type			feed-through	feed-through	feed-through
Rated cross-section		(mm²)	4	4	4
Connecting capacity	Flexible	(mm²)	0.2–6	0.2–6	0.2–6
	Rigid	(mm²)	0.2–6	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type	(mm²)	4–WP40/16	4–WP40/16	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800	800
	Max current with rated cross-section	(A)	32	32	32
	Section	Caliber	A4	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Max current with rated cross-section	(A)	30	30	30
	Section Min - Max	(AWG)	28 -10	28 -10	28 -10
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage	(V)	500	500	500
	Max current with rated cross-section	(A)	32	32	32
	Operating temperature	(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree			8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length		(mm)	12	12	12
Length		(mm)	58	78	98
Width		(mm)	6.2	6.2	6.2
Height mounted on TH35/7.5		(mm)	45	45	45
Height mounted on TH35/15		(mm)	52	52	52
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey		HMT.4/PT/GR (cod. HM251GR)	HMT.4/1+2/PT/GR (cod. HM211GR)	HMT.4/1+2/PT/GR (cod. HM221GR)
	Blue		HMT.4/PT (Ex)i (cod. HI251)	HMT.4/1+2/PT (Ex)i (cod. HI211)	HMT.4/1+2/PT (Ex)i (cod. HI221)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		PTC/5/... (cod. PTC05...)	PTC/5/... (cod. PTC05...)	PTC/5/... (cod. PTC05...)
	PTP version (1)		PTP/5/... (cod. PTP05...)	PTP/5/... (cod. PTP05...)	PTP/5/... (cod. PTP05...)
	Rated current	(A)	32	32	32
Cross-connection identification strip	green		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	red		DFH/1/R (cod. DH01R)	DFH/4/R (cod. DH04R)	DFH/4/R (cod. DH04R)
Cross connection barrier	red		-	-	-
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug			SDH/6 (cod. DH006)	SDH/6 (cod. DH006)	SDH/6 (cod. DH006)
End section for modular test plug			SH6/PT (cod. DH601)	SH6/PT (cod. DH601)	SH6/PT (cod. DH601)
Numbering strip			CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag			CNU/8/61 (cod. NU0861S)	CNU/8/51 (cod. NU0851S)	CNU/8/61 (cod. NU0861S)
			-	-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	HM320GR HMM.6/GR	HM330GR HMM.10/GR	HM340GR HMM.16/GR
BLUE VERSION			CODE TYPE	HI320 HMM.6 (EX)I	HI330 HMM.10 (EX)I	HI340 HMM.16 (EX)I
TECHNICAL CHARACTERISTICS						
Function/type				feed-through	feed-through	feed-through
Rated cross-section			(mm²)	6	10	16
Connecting capacity	Flexible		(mm²)	0.2–10	1.5–16	1.5–25
	Rigid		(mm²)	0.2–10	1.5–16	1.5–25
	Max. flexible with ferrule - ferrule type		(mm²)	6–WP60/20	10–WP100/21	16–WP160/22
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	800	1000	1000
	Max current with rated cross-section		(A)	41	57	76
	Section		Caliber	A5	A6	A7
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	41	57	85
	Section Min - Max		(AWG)	24 - 8	20 - 6	18 - 4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	500	500	630
	Max current with rated cross-section		(A)	41	57	76
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	12 KV / 3
Insulation stripping length			(mm)	13	18	18
Length			(mm)	62	71	80
Width			(mm)	8.2	10	12
Height mounted on TH35/7.5			(mm)	48	53	56
Height mounted on TH35/15			(mm)	56	61	64
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.6/PT/GR (cod. HM321GR)	HMT.10/PT/GR (cod. HM331GR)	HMT.16/PT/GR (cod. HM341GR)
	Blue			HMT.6/PT (Ex)i (cod. HI321)	HMT.10/PT (Ex)i (cod. HI331)	HMT.16/PT (Ex)i (cod. HI341)
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/8/... (cod.PTC08...)	PTC/11/... (cod. PTC11...)	PTC/16/... (cod. PTC16...)
	PTP version (1)			-	-	-
	Rated current		(A)	41	57	76
Cross-connection identification strip	green			PTC/SP (cod. PTC0990)	-	-
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/4/R (cod. DH04R)	DFH/4/R (cod. DH04R)
Cross connection barrier	red			-	-	-
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				-	-	-
End section for modular test plug				-	-	-
Numbering strip				-	-	-
Screwdriver for activation of the spring				CCH/6 (cod. CCH06)	CCH/6 (cod. CCH06)	CCH/6 (cod. CCH06)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

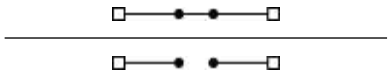
SPRING CLAMP TERMINAL BLOCKS

- connectable with the terminal blocks: HMM.2/GR, HMM.2/1+2/GR, HMM.2/2+2/GR, HMS.2/GR, HMFA.2/GR, HMM.4/GR, HMM.4/1+2/GR, HMM.4/2+2/GR, HMM.6/GR

Terminal assembly with double feeding distribution

(1) value referred to the terminal and not to the potential distributor
(2) See chapter accessories for more details
(3) The number of poles to be used shall be equal to the number of terminal blocks to be connected, including the distribution terminal block +1 to allow the connection to the distribution terminal block the second pin of the PTC jumper shall be trimmed off.

SINGLE POWER SUPPLY VERSION		**CODE**	**HM350GR**
		TYPE	**HMR.16/GR**
DOUBLE SUPPLY VERSION		**CODE**	**HM360GR**
		TYPE	**HMR.16/D/GR**



TECHNICAL CHARACTERISTICS

Function/type			feed-through
Rated cross-section		(mm²)	16
Connecting capacity	Flexible	(mm²)	1.5-25
	Rigid	(mm²)	1.5-25
	Max.flexible with ferrule - ferrule type	(mm²)	16–WP160/22
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800
	Max current with rated cross-section	(A)	76 (1)
	Section	Caliber	A7
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	30
	Section Min-Max	(AWG)	18-4
Rated impulse withstand voltage/pollution degree			12 KV / 3
Insulation stripping lenght		(mm)	18
Length		(mm)	80
Width		(mm)	12.8
Height mounted on TH35/7,5		(mm)	50
Height mounted on TH35/15		(mm)	57
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0

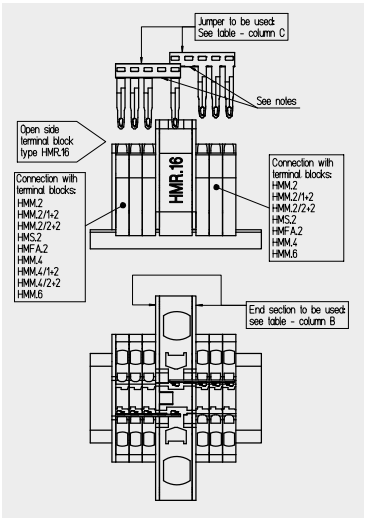
APPROVALS

ACCESSORIES

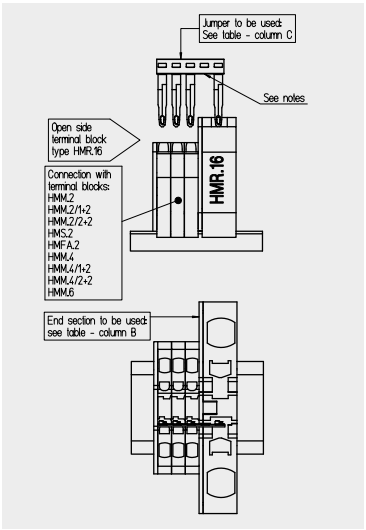
End section			see table
	Thickness	(mm)	see table
Cross connection	PTC version (2) (3)		see table
	PTP version (2) (3)		see table
	Rated current	(A)	see table
Cross-connection identification strip (100 mm)			-
Coloured partition	red		DFH/4/R (cod. DH04R)
Cross connection barrier	red		-
Test plug			SDD/1 (cod. DD001)
Modular test plug			-
Numbering strip			-
Screwdriver for activation of the spring			CCH/6 (cod. CCH06)
Marking tag			CNU/8/51 (cod. NU0851S)
			-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)

TERMINAL BLOCK CONNECTED TO THE DISTRIBUTOR	**HMM.2/GR** **HMM.2/1+2/GR** **HMM.2/2+2/GR** **HMS.2/GR** **HMFA.2/GR**	**HMM.4/GR** **HMM.4/1+2/GR** **HMM.4/2+2/GR** **-** **-**	**HMM.6/GR** **-** **-** **-** **-**
End section	HMR.16-2/PT/GR (cod. HM352GR)	HMR.16-4/PT/GR (cod. HM354GR)	HMR.16-6/PT/GR (cod. HM356GR)
Thickness (mm)	1.5	1.5	1.5
Permanent cross connection PTC	PTC/03/... (cod. PTC03...)	PTC/05/... (cod. PTC05...)	PTC/08/... (cod. PTC08...)
Permanent cross connection PTP	PTP/03/... (cod. PTP03...)	PTP/05/... (cod. PTP05...)	-
Total current carrying capacity (A)	24	32	41

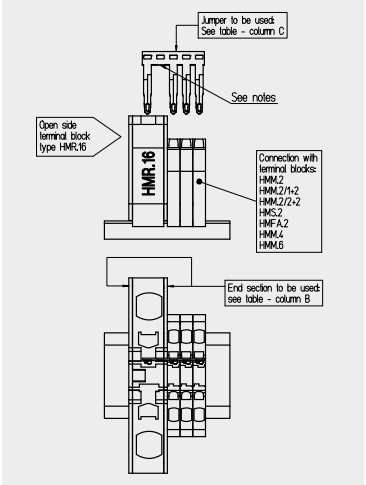
CONNECTION DIAGRAM DISTRIBUTOR TERMINAL BLOCKS HMR.16/GR A HMR.16/D/GR



Connection on 2 sides



Connection on open sides



Connection on closed side of distributor

EARTH SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

YELLOW/GREEN VERSION			CODE	HT400	HT410	HT420
			TYPE	HTE.1	HTE.1/1+2	HTE.1/2+2
TECHNICAL CHARACTERISTICS						
Function/type				earth	earth	earth
Rated cross-section			(mm²)	1.5	1.5	1.5
Connecting capacity	Flexible		(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Rigid		(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	B2	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	26-14	26-14	26-14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	400	400	400
	Max current with rated cross-section		(A)	17.5	17.5	17.5
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	9	9	9
Length			(mm)	50	61	65
Width			(mm)	4.2	4.2	4.2
Height mounted on TH35/7.5			(mm)	43	43	43
Height mounted on TH35/15			(mm)	51	51	51
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.1/PT/GR (cod. HM401GR)	HMT.1/1+2/PT/GR (cod. HM411GR)	HMT.1/2+2/PT/GR (cod. HM421GR)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/1/... (cod. PTC01...)	PTC/1/... (cod. PTC01...)	PTC/1/... (cod. PTC01...)
	PTP version (1)			-	-	-
	Rated current		(A)	17.5	17.5	17.5
Cross-connection identification strip	green			PTC/SP (cod. PTC0990)	PTC/SP (cod.PTC0990)	PTC/SP (cod.PTC0990)
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/2/R (cod. DH02R)	DFH/3/R (cod. DH03R)
Cross connection barrier	red			DFM/500 (cod. DF500)	DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug				-	-	-
Modular test plug				-	-	-
End section for modular test plug				-	-	-
Numbering strip				SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

EARTH SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

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(1) See chapter accessories for more details

YELLOW/GREEN VERSION			CODE / TYPE	HT500 HTE.2	HT510 HTE.2/1+2	HT520 HTE.2/2+2
TECHNICAL CHARACTERISTICS						
Function/type				earth	earth	earth
Rated cross-section			(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2–4	0.2–4	0.2–4
	Rigid		(mm²)	0.2–4	0.2–4	0.2–4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5–WP25/14	2.5–WP25/14	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	A3	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	24-12	24-12	24-12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	500	500	500
	Max current with rated cross-section		(A)	24	24	24
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	10	10	10
Length			(mm)	54	70	82
Width			(mm)	5.2	5.2	5.2
Height mounted on TH35/7.5			(mm)	41	41	41
Height mounted on TH35/15			(mm)	49	49	49
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.2/PT/GR (cod. HM501GR)	HMT.2/1+2/PT/GR (cod. HM511GR)	HMT.2/2+2/PT/GR (cod. HM521GR)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)
	Rated current		(A)	24	24	24
Cross-connection identification strip	green			PTC/SP (cod.PTC0990)	PTC/SP (cod.PTC0990)	PTC/SP (cod.PTC0990)
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/2/R (cod. DH02R)	DFH/3/R (cod. DH03R)
Cross connection barrier	red			-	-	-
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				-	-	-
End section for modular test plug				-	-	-
Numbering strip				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

EARTH SPRING CLAMP TERMINAL BLOCKS

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INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
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(1) See chapter accessories for more details

YELLOW/GREEN VERSION			CODE	HT250	HT260	HT270
			TYPE	HTE.4	HTE.4/1+2	HTE.4/2+2
TECHNICAL CHARACTERISTICS						
Function/type				earth	earth	earth
Rated cross-section			(mm²)	4	4	4
Connecting capacity	Flexible		(mm²)	0.2–6	0.2–6	0.2–6
	Rigid		(mm²)	0.2–6	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	4–WP40/16	4–WP40/16	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	A4	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	24-10	24-10	24-10
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	500	500	500
	Max current with rated cross-section		(A)	32	32	32
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	12	12	12
Length			(mm)	58	78	98
Width			(mm)	6.2	6.2	6.2
Height mounted on TH35/7.5			(mm)	45	45	45
Height mounted on TH35/15			(mm)	52	52	52
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.4/PT/GR (cod. HM251GR)	HMT.4/1+2/PT/GR (cod. HM211GR)	HMT.4/2+2/PT/GR (cod. HM221GR)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/5/... (cod. PTC05...)	PTC/5/... (cod. PTC05...)	PTC/5/... (cod. PTC05...)
	PTP version (1)			PTP/5/... (cod. PTP05...)	PTP/5/... (cod. PTP05...)	PTP/5/... (cod. PTP05...)
	Rated current		(A)	32	32	32
Cross-connection identification strip	green			PTC/SP (cod.PTC0990)	PTC/SP (cod.PTC0990)	PTC/SP (cod.PTC0990)
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/1/R (cod. DH01R)	DFH/1/R (cod. DH01R)
Cross connection barrier	red			-	-	-
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				-	-	-
End section for modular test plug				-	-	-
Numbering strip				CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

EARTH SPRING CLAMP TERMINAL BLOCKS

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I M2 Ex e I Mb
II 2 G Ex E IIC Gb

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(1) See chapter accessories for more details

YELLOW/GREEN VERSION			CODE TYPE	HT320 HTE.6	HT330 HTE.10	HT340 HTE.16
TECHNICAL CHARACTERISTICS						
Function/type				earth	earth	earth
Rated cross-section			(mm²)	6	10	16
Connecting capacity	Flexible		(mm²)	0.2–10	1.5–16	1.5–25
	Rigid		(mm²)	0.2–10	1.5–16	1.5–25
	Max. flexible with ferrule - ferrule type		(mm²)	6–WP60/20	10–WP100/21	16–WP160/22
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	A5	A6	A7
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	24-8	20-6	18-4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	500	500	630
	Max current with rated cross-section		(A)	41	57	76
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length			(mm)	13	18	18
Length			(mm)	62	71	80
Width			(mm)	8.2	10	12
Height mounted on TH35/7.5			(mm)	48	53	56
Height mounted on TH35/15			(mm)	56	61	64
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HMT.6/PT/GR (cod. HM321GR)	HMT.10/PT (cod. HM331GR)	HMT.16/PT (cod. HM341GR)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/8/... (cod.PTC08...)	PTC/11/... (cod. PTC11...)	PTC/16/... (cod. PTC16...)
	PTP version (1)			-	-	-
	Rated current		(A)	41	57	76
Cross-connection identification strip	green			PTC/SP (cod.PTC0990)	-	-
Coloured partition	red			DFH/1/R (cod. DH01R)	DFH/4/R (cod. DH04R)	DFH/4/R (cod. DH04R)
Cross connection barrier	red			-	-	-
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				-	-	-
End section for modular test plug				-	-	-
Numbering strip				-	-	-
Screwdriver for activation of the spring				CCH/6 (cod. CCH06)	CCH/6 (cod. CCH06)	CCH/6 (cod. CCH06)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

2 LEVELS SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex e IIC Gb

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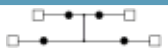
Ex e IIC Gb

(1) See chapter accessories for more details

GREY VERSION		CODE TYPE	HD200GR HMD.1/GR	HD120GR HMD 1/CI/GR
BLUE VERSION		CODE TYPE	HD300 HMD.1 (EX)I	
TECHNICAL CHARACTERISTICS				
Function/type			two-level feed-through	two-levels and internal connection
Rated cross-section		(mm²)	1.5	1.5
Connecting capacity	Flexible	(mm²)	0.2–2.5	0.2–2.5
	Rigid	(mm²)	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type	(mm²)	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	500
	Max current with rated cross-section	(A)	16	16
	Section	Caliber	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	15	15
	Section Min - Max	(AWG)	26-14	26-14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage	(V)	400	400
	Max current with rated cross-section	(A)	24	24
	Operating temperature	(°C)	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	10	10
Length		(mm)	73	73
Width		(mm)	4.2	4.2
Height mounted on TH35/7.5		(mm)	59	59
Height mounted on TH35/15		(mm)	67	67
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey		HMD.1/PT/GR (cod. HD201GR)	HMD.1/PT/GR (cod. HD201GR)
	Blue		HMD.1/PT (Ex)i (cod. HD301)	HMD.1/PT (Ex)i (cod. HD301)
	Thickness	(mm)	1.5	1.5
Cross connection	PTC version (1)		PTC/1/... (cod. PTC01...)	PTC/1/... (cod. PTC01...)
	PTP version (1)		-	-
	Rated current	(A)	17.5	17.5
Cross-connection identification strip	green		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Internal cross connection (removable)			-	-
Coloured partition	red		DFU/07/R (cod. DU07R)	DFU/07/R (cod. DU07R)
Cross connection barrier	red		DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug			-	-
Modular test plug			SDH/4 (cod. DH004)	SDH/4 (cod. DH004)
End section for modular test plug			SH4/PT (cod. DH401)	SH4/PT (cod. DH401)
Numbering strip			SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag			SHZ/1 (cod. SH004)	SHZ/1 (cod. SH004)
			-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)

2 LEVELS SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex e IIC Gb

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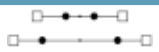
(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	HD400GR HMD.2N/GR	HD450GR HMD.2N/CI/GR
BLUE VERSION			CODE TYPE	HD410 HMD.2N (EX)I	
TECHNICAL CHARACTERISTICS					
Function/type				two-level feed-through	two-levels and internal connection
Rated cross-section			(mm²)	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2–2.5	0.2–2.5
	Rigid		(mm²)	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630	630
	Max current with rated cross-section		(A)	24	24
	Section		Caliber	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600
	Max current with rated cross-section		(A)	15	15
	Section Min - Max		(AWG)	26-14	26-14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	400	400
	Max current with rated cross-section		(A)	24	24
	Operating temperature		(°C)	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	10	10
Length			(mm)	73	73
Width			(mm)	5.2	5.2
Height mounted on TH35/7.5			(mm)	59	59
Height mounted on TH35/15			(mm)	67	67
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			HMD.1/PT/GR (cod. HD201GR)	HMD.1/PT/GR (cod. HD201GR)
	Blue			HMD.1/PT (Ex)i (cod. HD301)	HMD.1/PT (Ex)i (cod. HD301)
	Thickness		(mm)	1.5	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)
	Rated current		(A)	24	24
Cross-connection identification strip	green			-	-
Internal cross connection (removable)				-	-
Coloured partition	red			DFU/07/R (cod. DU07R)	DFU/07/R (cod. DU07R)
Cross connection barrier	red			DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug				-	-
Modular test plug				SDH/7 (cod. DH007)	SDH/7 (cod. DH007)
End section for modular test plug				SH7/PT (cod. DH701)	SH7/PT (cod. DH701)
Numbering strip				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

2 LEVELS SPRING CLAMP TERMINAL BLOCKS

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I M2 Ex e I Mb
II 2 G Ex e IIC Gb

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(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	HD100GR HMD.2/GR
BLUE VERSION			**CODE TYPE**	
TECHNICAL CHARACTERISTICS				
Function/type				two-level feed-through
Rated cross-section			(mm²)	2.5
Connecting capacity	Flexible		(mm²)	0.2–4
	Rigid		(mm²)	0.2–4
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630
	Max current with rated cross-section		(A)	24
	Section		Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600
	Max current with rated cross-section		(A)	20
	Section Min - Max		(AWG)	24-12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	400
	Max current with rated cross-section		(A)	24
	Operating temperature		(°C)	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3
Insulation stripping length			(mm)	10
Length			(mm)	91
Width			(mm)	5.2
Height mounted on TH35/7.5			(mm)	49
Height mounted on TH35/15			(mm)	56
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			HMD/PT/GR (cod. HD101GR)
	Blue			-
	Thickness		(mm)	1.5
Cross connection	PTC version (1)			PH/2.5-4 (cod. PH100)
	PTP version (1)			PHD/2 (cod. PHD02)
	Rated current		(A)	24
Cross-connection identification strip	green			-
Internal cross connection (removable)				PHD/2 (cod. PHD02)
Coloured partition	red			DFH/4/R (cod. DH04R)
Cross connection barrier	red			
Test plug				-
Modular test plug				-
End section for modular test plug				-
Numbering strip				CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/51 (cod. NU0851S)(only lower level)
				-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)

2 LEVELS SPRING CLAMP TERMINAL BLOCKS

• versions made ready for housing electronic components

(1) See chapter accessories for more details

GREY VERSION	CODE / TYPE	HD130GR HMD.1/X/GR	HD440GR HMD.2N/X/GR	HD441GR HMD.2N/X1/GR
BLUE VERSION	CODE / TYPE			

TECHNICAL CHARACTERISTICS

Function/type			two level, arranged to contain electronic components	two level, arranged to contain electronic components	two-level, upper feed-through and lower disconnect
Rated cross-section		(mm²)	1.5	2.5	2.5
Connecting capacity	Flexible	(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Rigid	(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type	(mm²)	1.5–WP15/14	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	630	630
	Max current with rated cross-section	(A)	16	24	24
	Section	Caliber	B2	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	-	-
	Max current with rated cross-section	(A)	15	-	-
	Section Min - Max	(AWG)	26-14	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Operating temperature	(°C)	-	-	-
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3	8 KV / 3
Insulation stripping length		(mm)	10	10	10
Length		(mm)	73	73	73
Width		(mm)	4.2	5.2	5.2
Height mounted on TH35/7.5		(mm)	59	59	59
Height mounted on TH35/15		(mm)	67	67	67
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

APPROVALS

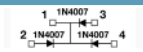
ACCESSORIES

End section	Grey		HMD.1/PT/GR (cod. HD201GR)	HMD.1/PT/GR (cod. HD201GR)	HMD.1/PT/GR (cod. HD201GR)
	Blue		-	-	-
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		PTC/1/... (cod. PTC01...)	PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)		-	-	-
	Rated current	(A)	17.5	24	24
Cross-connection identification strip	green		PTC/SP (cod. PTC0990)	-	-
Internal cross connection (removable)			-	-	-
Coloured partition	red		DFU/07/R (cod. DU07R)	DFU/07/R (cod. DU07R)	DFU/07/R (cod. DU07R)
Cross connection barrier	red		DFM/500 (cod. DF500)	DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug			-	-	-
Modular test plug			SDH/4 (cod. DH004)	SDH/7 (cod. DH007)	SDH/7 (cod. DH007)
End section for modular test plug			SH4/PT (cod. DH401)	SH7/PT (cod. DH701)	SH7/PT (cod. DH701)
Numbering strip			SHZ/1 (cod. SH004)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag			SHZ/1 (cod. SH004)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			-	-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

2 LEVELS SPRING CLAMP TERMINAL BLOCKS

- Versions made ready for housing electronic components and modular test plug

(1) See chapter accessories for more details

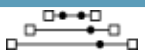
GREY VERSION	CODE / TYPE		HD420GR HMD.2N/DD/GR	HD430GR HMD.2/3DC/GR
BLUE VERSION	CODE / TYPE			
TECHNICAL CHARACTERISTICS				
Function/type			version equipped with two 1N4007 diodes in feed-through configuration for each level	version equipped with three 1N4007 diodes and shared cathode
Rated cross-section		(mm²)	2.5	2.5
Connecting capacity	Flexible	(mm²)	0.2–2.5	0.2–2.5
	Rigid	(mm²)	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type	(mm²)	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	630	630
	Max current with rated cross-section	(A)	24	24
	Section	Caliber	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	-	-
	Max current with rated cross-section	(A)	-	-
	Section Min - Max	(AWG)	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage	(V)	-	-
	Max current with rated cross-section	(A)	-	-
	Operating temperature	(°C)	-	-
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	10	10
Length		(mm)	73	73
Width		(mm)	5.2	5.2
Height mounted on TH35/7.5		(mm)	59	59
Height mounted on TH35/15		(mm)	67	67
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS			KEMA KEUR EAC	KEMA KEUR EAC
ACCESSORIES				
End section	Grey		HMD.1/PT/GR (cod. HD201GR)	HMD.1/PT/GR (cod. HD201GR)
	Blue		-	-
	Thickness	(mm)	1.5	1.5
Cross connection	PTC version (1)		PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)		-	-
	Rated current	(A)	24	24
Cross-connection identification strip	green		-	-
Internal cross connection (removable)			-	-
Coloured partition	red		DFU/07/R (cod. DU07R)	DFU/07/R (cod. DU07R)
Cross connection barrier	red		DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug			-	-
Modular test plug			SDH/7 (cod. DH007)	SDH/7 (cod. DH007)
End section for modular test plug			SH7/PT (cod. DH701)	SH7/PT (cod. DH701)
Numbering strip			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)

3 LEVELS SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex e IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

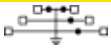
GREY VERSION			CODE	HL200GR	HL210GR	HL500GR
			TYPE	HLD.2/GR	HLD.2/CI/GR	HDE.2/GR
BLUE VERSION			CODE	HD510		
			TYPE	HLD.2 (EX)I		
TECHNICAL CHARACTERISTICS						
Function/type				3 levels	3 levels with internal connection	2 levels + earth
Rated cross-section			(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Rigid		(mm²)	0.2–2.5	0.2–2.5	0.2–2.5
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14	1.5–WP15/14	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	500	500	500
	Max current with rated cross-section		(A)	24	24	24
	Section		Caliber	B2	B2	B2
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	-	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	400	400	400
	Max current with rated cross-section		(A)	24	24	24
	Operating temperature		(°C)	-40 +80	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	10	10	10
Length			(mm)	95	95	95
Width			(mm)	5.2	5.2	5.2
Height mounted on TH35/7.5			(mm)	75	75	75
Height mounted on TH35/15			(mm)	83	83	83
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HLD.2/PT/GR (cod. HL201GR)	HLD.2/PT/GR (cod. HL201GR)	HLD.2/PT/GR (cod. HL201GR)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)	PTP/03/... (cod. PTP03...)
	Rated current		(A)	24	24	24
Cross-connection identification strip	green			-	-	-
Internal cross connection (removable)				-	-	-
Coloured partition	red			-	-	-
Cross connection barrier	red			DFM/500 (cod. DF500)	DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Test plug				-	-	-
Modular test plug				-	-	-
End section for modular test plug				-	-	-
Numbering strip				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-	-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

3 LEVELS SPRING CLAMP TERMINAL BLOCKS

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex e IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

YELLOW/GREEN VERSION			CODE TYPE	HLT500 HTTE.2
TECHNICAL CHARACTERISTICS				
Function/type				3 levels + earth
Rated cross-section			(mm²)	2.5
Connecting capacity	Flexible		(mm²)	0.2–2.5
	Rigid		(mm²)	0.2–2.5
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-
	Max current with rated cross-section		(A)	-
	Section		Caliber	B2
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-
	Max current with rated cross-section		(A)	-
	Section Min - Max		(AWG)	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage		(V)	400
	Max current with rated cross-section		(A)	24
	Operating temperature		(°C)	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3
Insulation stripping length			(mm)	10
Length			(mm)	95
Width			(mm)	5.2
Height mounted on TH35/7.5			(mm)	75
Height mounted on TH35/15			(mm)	83
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			HLD.2/PT/GR (cod. HL201GR)
	Blue			-
	Thickness		(mm)	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTP03...)
	Rated current		(A)	24
Cross-connection identification strip	green			-
Internal cross connection (removable)				-
Coloured partition	red			-
Cross connection barrier	red			DFM/500 (cod. DF500)
Test plug				-
Modular test plug				-
End section for modular test plug				-
Numbering strip				CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)
Marking tag				CNU/8/51 (cod. NU0851S)
				-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)

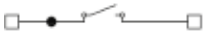
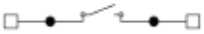
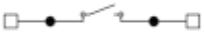
SPRING CLAMP TERMINAL BLOCKS FOR TEST AND MEASUREMENT CIRCUITS

cabur

- disconnect by lever and by slide link
- for test and measurement circuits



(1) See chapter accessories for more details

GREY VERSION		CODE / TYPE	HS200GR HMS.2/GR	HB100GR HSCB.4/GR	HB200GR HSCB.6/GR
TECHNICAL CHARACTERISTICS					
Function/type			disconnect by lever	disconnect by slide link	disconnect by slide link
Rated cross-section		(mm²)	2.5	4	6
Connecting capacity	Flexible	(mm²)	0.2–4	0.2–6	0.2–10
	Rigid	(mm²)	0.2–4	0.2–6	0.2–10
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14	4–WP40/16	6–WP60/20
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	400	800	800
	Max current with rated cross-section	(A)	16	32	41
	Section	Caliber	A3	A4	A5
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Max current with rated cross-section	(A)	24	30	35
	Section Min - Max	(AWG)	24-12	28-10	24-8
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	10	12	12
Length		(mm)	66	86	97
Width		(mm)	5.2	6.2	8.2
Height mounted on TH35/7.5		(mm)	37	45	48
Height mounted on TH35/15		(mm)	45	53	56
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS			cULus KEMA KEUR RINA Terna Enel EAC	cULus KEMA KEUR RINA Enel EAC	cULus KEMA KEUR RINA Terna Enel EAC
ACCESSORIES					
End section	Grey		HMT.2/1+2/PT/GR (cod. HM511GR)	HSCB.4/PT/GR (cod. HB101GR)	HSCB.6/PT/GR (cod. HB201GR)
	Blue		-	-	-
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		PTC/03/... (cod. PTC03...)	PTC/05/... (cod. PTC05...)	PTC/8/... (cod. PTC08...)
	PTP version (1)		PTP/03/... (cod. PTP03...)	PTP/05/... (cod. PTP05...)	-
	Rated current	(A)	24	32	41
Cross-connection identification strip	green		-	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	red		DFH/2/R (cod. DH02R)	DFH/4/R (cod. DH04R)	-
Cross connection barrier	red		-	-	DFM/500 (cod. DF500)
Test plug			SDD/1 (cod. DD001)	-	SDD/1 (cod. DD001)
Modular test plug			SDH/5 (cod. DH005)	SDH/6 (cod. DH006)	-
End section for modular test plug			SH5/PT (cod. DH501)	SH6/PT (cod. DH601)	-
Numbering strip			CNU/8/51 (cod. NU0851)	-	-
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/6 (cod. CCH06)
Screw and sleeve for short-circuit plates (with socket)			-	HSCB/4/CPM (cod. HB405)	HSCB/6/CPM (cod. HB205)
Short-circuit plate	2 poles		-	HSCB/4/PO/2 (cod. HB403)	HSCB/6/PO/2 (cod. HB203)
	4 poles		-	HSCB/4/PO/4 (cod. HB404)	HSCB/6/PO/4 (cod. HB204)
Marking tag			-	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			-	-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

HB210GR sigla HSCB.6/DD/GR
per circuito voltmetrici

HB220GR sigla HSCB.6/CD/GR
per circuiti amperometrici

FUSE HOLDER SPRING CLAMP TERMINAL BLOCKS

- for "blade" fuse according to DIN 72581/3F – ISO 8820 and for Ø 5 x 20 mm fuses (all supplied separately)
- modular with component-holder cartridge CPF05, this one should be provided empty or already composed with electronic circuits (for more details see accessories chapter)

(1) See chapter accessories for more details

GREY VERSION			CODE	HF300GR
			TYPE	HMFA.2/GR
TECHNICAL CHARACTERISTICS				
Function/type				for blade fuse and component-holder cartridge
Rated cross-section			(mm²)	2.5
Connecting capacity	Flexible		(mm²)	0.2–4
	Rigid		(mm²)	0.2–4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	400
	Max current with rated cross-section		(A)	6.3
	Section		Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-
	Max current with rated cross-section		(A)	-
	Section Min-Max		(AWG)	-
Rated impulse withstand voltage/pollution degree				4 KV / 3
Insulation stripping length			(mm)	10
Length			(mm)	66
Width			(mm)	5.2
Height mounted on TH35/7,5			(mm)	41
Height mounted on TH35/15			(mm)	49
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			HMT.2/1+2/PT/GR (cod. HM511GR)
	Blue			-
	Thickness		(mm)	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTP03...)
	Rated current		(A)	24
Cross connection identification strip	(100mm)			-
Coloured partition	Red			DFH/2/R (cod. DH02R)
Cross connection barrier	Red			
Test plug				SDD/1 (cod. DD001)
Modular test plug				SDH/5 (cod. DH005)
End section for modular test plug				SH5/PT (cod. DH501)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)
Component-holder cartridge	(1)			CPF/5 (CPF05)
Blade-type fuses according to DIN 72581/3F ISO 8820 max voltage 32 V In = 2 A, 5A, 7.5A, 15A				F32/... (cod. FN032...)
Numbering strip				CNU/8/51 (cod. NU0851S)
Marking tag				CNU/8/51 (cod. NU0851S)
				-
End bracket	Snap-fit TH35			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Snap TH35			BT/3 (cod. BT003)

MAX. DISSIPATED POWER IN CONF. WITH IEC 60947-7-3

Terminal block		MPFA.4 + CPF/5	DSFA.4 + CPF/5	HMFA.2 + CPF/5
Voltage (V)		250	250	250
Current (A)		6.3	6.3	6.3
Protection against overload and short circuit	**Single configuration (PV) - (W)**	1.6	1.6	1.6
	Composite configuration (PV) - (W)	1.6	1.6	1.6
Only protection against short circuit	**Single configuration (PVK) - (W)**	4	4	4
	Composite configuration (PVK) - (W)	1.6	1.6	1.6

FUSE HOLDER SPRING CLAMP TERMINAL BLOCKS

- for ø 5 x 20 mm or ø 6.3 x 32 mm fuses (supplied separately), with possible warning of any broken fuse through LED microcircuit (CIL/...) or [only HFR.4/GR] neon light (LSN)
- available in grey (RAL 7042)
- can be coupled with all HMM.4/... terminal blocks

(1) See chapter accessories for more details

GREY VERSION		CODE TYPE	HF310GR HFR.4/M/GR	HF210GR HFR.4/GR
TECHNICAL CHARACTERISTICS				
Function/type			for ø 5 x 20 mm fuse	for ø 6.3 x 32 mm fuse
Rated cross-section		(mm²)	4	4
Connecting capacity	Flexible	(mm²)	0.2–6	0.2–6
	Rigid	(mm²)	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type	(mm²)	4–WP40/16	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	500
	Max current with rated cross-section	(A)	6.3 A (10 A with CO/5)	10
	Section	Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	10	15
	Section Min-Max	(AWG)	28 - 10	28 - 10
Rated impulse withstand voltage/pollution degree			4 KV / 3	4 KV / 3
Insulation stripping length		(mm)	12	12
Length		(mm)	78	78
Width		(mm)	6.2	8.2
Height mounted on TH35/7,5		(mm)	70	70
Height mounted on TH35/15		(mm)	78	78
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey		HFR.4/PT/GR (cod. HF211GR)	-
	Blue		-	-
	Thickness	(mm)	1.5	-
Cross connection	PTC version (1)		PTC/5/... (cod. PTC05...)	PTC/51/... (cod. PTC51...)
	PTP version (1)		-	-
	Rated current	(A)	32	32
Cross connection identification strip	(100mm)		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	Red		DFH/4/R (cod. DH04R)	DFH/4/R (cod. DH04R)
Cross connection barrier	Red		-	-
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Miniature fuse	ø 5 x 20 mm		F5/... (cod. FN...)	-
Conductive element	ø 5 x 20 mm		CO/5 (cod. VL103)	-
Neon lamp	ø 6 x 26 mm		-	LSN (cod. FL202)
Warning circuit			CIL/HFR/M/12-48 (cod. HF518M)	CIL/HFR/12-48 (cod. HF518)
Warning circuit			CIL/HFR/M/115-230 (cod. HF510M)	CIL/HFR/115-230 (cod. HF510)
Terminal block with 12–48 V non-polarized LED circuit			HFR.4/M/GR/C12-48 (cod. HF918MGR)	HFR.4/GR/C115-230 (cod. HF910GR)
Terminal block with 115–230 V non-polarized LED circuit			HFR.4/M/GR/C115-230 (cod. HF910MGR)	HFR.4/M/GR/C115-230 (cod. HF910MGR)
Numbering strip			CNU/8/61 (cod. NU0861S)	-
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/8/51 (cod. NU1051S)	CNU/8/51 (cod. NU1051S)
End bracket	Snap-fit TH35		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Snap TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)

SPRING CLAMP TERMINAL BLOCKS WITH SPECIAL CONNECTIONS

cabur

- for female connectors pitch 5.08 mm – on two levels

(1) See chapter accessories for more details

GREY VERSION		**CODE**	**HC200GR**
		TYPE	**HCD.1/GR**
BLUE VERSION		**CODE**	**HC210**
		TYPE	**HCD.1 (EX)I**
TECHNICAL CHARACTERISTICS			
Function/type			2 level feed-through with 2 screw connections and 2 pins for connectors
Rated cross-section		(mm²)	1.5
Connecting capacity	Flexible	(mm²)	0.2–2.5
	Rigid	(mm²)	0.2–2.5
	Max. flexible with ferrule - ferrule type	(mm²)	1.5–WP15/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	320
	Max current with rated cross-section	(A)	12
	Section	Caliber	B2
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	300
	Max current with rated cross-section	(A)	12
	Section Min-Max	(AWG)	26 - 14
Rated impulse withstand voltage/pollution degree			6 KV / 3
Insulation stripping length		(mm)	10
Width		(mm)	5.08
Length		(mm)	72
Height mounted on TH35/7,5		(mm)	59
Height mounted on TH35/15		(mm)	67
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0
APPROVALS			
ACCESSORIES			
End section	Grey		HCD.1/PT/GR (cod. HC201GR)
	Blue		HCD.1/PT(Ex)i (cod. HC211)
	Thickness	(mm)	3
Cross connection	PTC version (1)		PTC/2/... (cod. PTC02...)
	PTP version (1)		-
	Rated current	(A)	24
Cross connection identification strip	(100mm)		-
Coloured partition	Red		DFU/7/R (cod. DU07R)
Cross connection barrier	Red		DFM/500 (cod. DF500)
Test plug			-
Modular test plug			-
End section for modular test plug			-
Protection cover for 10-pole shanks			VPC/VT (cod. VP102)
Numbering strip			CNU/8/51 (cod. NU0851S)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)
Marking tag			CNU/8/51 (cod. NU0851S)
Marking tag			CNU/10/51 (cod. NU1051S)
End bracket	Snap-fit TH35		BTO (cod. BT007)
End bracket	Screw TH35		BT/3 (cod. BT003)

Detail of PTC jumper with DFM/500 barriers, **CNU/8/51** numbering strips and VPC/VT lug protection covers

Detail with 5.08 mm female connectors inserted on the two levels and the lug protection covers raised

Female connectors, 90°–5.08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In this position the connector is hooked onto the insulating body with the holding tooth with which it is fitted.

VPC/F02	2 poles	Cat. No.	**VP902**
VPC/F03	3 poles	Cat. No.	**VP903**
VPC/F04	4 poles	Cat. No.	**VP904**
VPC/F05	5 poles	Cat. No.	**VP905**
VPC/F06	6 poles	Cat. No.	**VP906**
VPC/F07	7 poles	Cat. No.	**VP907**
VPC/F08	8 poles	Cat. No.	**VP908**
VPC/F09	9 poles	Cat. No.	**VP909**
VPC/F10	10 poles	Cat. No.	**VP910**
VPC/F11	11 poles	Cat. No.	**VP911**
VPC/F12	12 poles	Cat. No.	**VP912**
VPC/F13	13 poles	Cat. No.	**VP913**
VPC/F14	14 poles	Cat. No.	**VP914**
VPC/F15	15 poles	Cat. No.	**VP915**
VPC/F16	16 poles	Cat. No.	**VP916**

SPRING CLAMP TERMINAL BLOCKS FOR REMOVABLE CONNECTORS

cabur

- spring system with connector plug

(1) See chapter accessories for more details
(2) dimensions with inserted connector

GREY VERSION	CODE / TYPE	HVP300GR HVPC.2/GR	HVP900GR CHP.2/GR	HVP910GR CHP.2D/GR
BLUE VERSION	CODE / TYPE	HVP305 HVPC.2 (EX)I	HVP905 CHP.2 (EX)I	HVP915 CHP.2D (EX)I

TECHNICAL CHARACTERISTICS

Function/type			feed trought for connectors	female connector for one conductor	female connector for two conductors
Rated cross-section		(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible	(mm²)	0.2–4	0.2–4	0.2–4
	Rigid	(mm²)	0.2–4	0.2–4	0.2–4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14	2.5–WP25/14	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	500	500
	Max current with rated cross-section	(A)	24	24	24
	Section	Caliber	A3	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Section Min-Max	(AWG)	-	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Operating temperature	(°C)	-	-	-
Rated impulse withstand voltage/pollution degree			8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length		(mm)	10	10	10
Lenght		(mm)	50	58 (2)	58 (2)
Width		(mm)	5.2	5.2	5.2
Height mounted on TH35/7,5		(mm)	41	67 (2)	67 (2)
Height mounted on TH35/15		(mm)	49	75 (2)	75 (2)
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		HVPC.2/PT/GR (cod. HVP301GR)	CHP.2/PT/GR (cod. HVP901GR)	CHP.2D/PT/GR (cod. HVP911GR)
	Blue		-	-	-
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)		PTP/03/... (cod. PTC03...)	PTP/03/... (cod. PTC03...)	PTP/03/... (cod. PTC03...)
	Rated current	(A)	24	24	24
Cross connection identification strip	(100mm) Green		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	Red		DFH/1/R (cod. DH01R)	DFH/1/R (cod. DH01R)	DFH/1/R (cod. DH01R)
Cross connection barrier	Red		-	-	-
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug			SDH/5 (cod. DH005)	SDH/5 (cod. DH005)	SDH/5 (cod. DH005)
End section for modular test plug			SH5/PT (cod. DH501)	SH5/PT (cod. DH501)	SH5/PT (cod. DH501)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Numbering strip			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Marking tag			CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	-	-
End bracket	Snap-fit TH35		BTO (cod. BT007)	-	-
End bracket	Screw TH35		BT/3 (cod. BT003)	-	-

HVTE-CHTE SERIES
SPRING CLAMP TERMINAL BLOCKS FOR REMOVABLE CONNECTORS

cabur

- spring system with connector plug for earth connections

(1) See chapter accessories for more details
(2) dimensions with inserted connector

YELLOW/GREEN VERSION			CODE	HVT500	HVT900	HVT910
			TYPE	HVTE.2	CHTE.2	CHTE.2D
TECHNICAL CHARACTERISTICS						
Function/type				earth type for connectors	female connector for one conductor	female connector for two conductors
Rated cross-section			(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2–4	0.2–4	0.2–4
	Rigid		(mm²)	0.2–4	0.2–4	0.2–4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5–WP25/14	2.5–WP25/14	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	A3	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	-	-	-
	Section Min-Max		(AWG)	28-12	28-12	28-12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Operating temperature		(°C)	-	-	-
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	10	10	10
Lenght			(mm)	50	58 (2)	58 (2)
Width			(mm)	5.2	5.2	5.2
Height mounted on TH35/7,5			(mm)	41	67 (2)	67 (2)
Height mounted on TH35/15			(mm)	49	75 (2)	75 (2)
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			HVPC.2/PT/GR (cod. HVP301GR)	CHP.2/PT/GR (cod. HVP901GR)	CHP.2D/PT/GR (cod. HVP911GR)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)			PTP/03/... (cod. PTC03...)	PTP/03/... (cod. PTC03...)	PTP/03/... (cod. PTC03...)
	Rated current		(A)	24	24	24
Cross connection identification strip	(100mm) Green			PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	Red			DFH/1/R (cod. DH01R)	DFH/1/R (cod. DH01R)	DFH/1/R (cod. DH01R)
Cross connection barrier	Red			-	-	-
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				SDH/5 (cod. DH005)	SDH/5 (cod. DH005)	SDH/5 (cod. DH005)
End section for modular test plug				SH5/PT (cod. DH501)	SH5/PT (cod. DH501)	SH5/PT (cod. DH501)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Numbering strip				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Marking tag				CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	-	-
End bracket	Snap-fit TH35			BTO (cod. BT007)	-	-
End bracket	Screw TH35			BT/3 (cod. BT003)	-	-

MINI SPRING-CLAMP TERMINAL BLOCKS

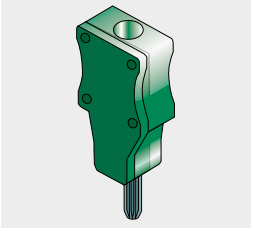
- space saving
- mounting only on PR/2 TH/15

INERIS 16 ATEX 9002 U
I M2 Ex e I Mb
II 2 G Ex E IIC Gb

IECEx INE 16.0032U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

GREY VERSION			CODE	HP170GR	HP150GR
			TYPE	HPP.2/GR	HP.2/GR
BLUE VERSION			CODE	HI132	HI130
			TYPE	HPP.2 (EX)I	HP.2 (EX)I
TECHNICAL CHARACTERISTICS					
Function/type				feed-through	feed-through
Rated cross-section			(mm²)	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2–4	0.2–4
	Rigid		(mm²)	0.2–4	0.2–4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5–WP25/14	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	800	800
	Max current with rated cross-section		(A)	24	24
	Section		Caliber	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600
	Max current with rated cross-section		(A)	20 / 24	20 / 24
	Section Min-Max		(AWG)	28-12	28-12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	630	630
	Max current with rated cross-section		(A)	24	24
	Operating temperature		(°C)	-40 +80	-40 +80
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3
Insulation stripping lenght			(mm)	10	10
Lenght			(mm)	36	36
Width			(mm)	5.2	5.2
Height mounted on TH15/5,5			(mm)	36	36
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			HP/PT/GR (cod. HP101GR)	HPV/PT/GR (cod. HV111GR)
	Blue			-	-
	Thickness		(mm)	1.5	1.5
Cross connection	PTC version (1)			PTC/03/... (cod. PTC03...)	PTC/03/... (cod. PTC03...)
	PTP version (1)			-	-
	Rated current		(A)	24	24
Cross connection identification strip	green			PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Coloured partition	Red			DFP/2/R (cod. DFP2R)	DFP/2/R (cod. DFP2R)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				SDH/5 (cod. DH005)	SDH/5 (cod. DH005)
End section for modular test plug				SH5/PT (cod. DH501)	SH5/PT (cod. DH501)
Screwdriver for activation of the spring				CCH/2.5-4 (cod. CCH02)	CCH/2.5-4 (cod. CCH02)
Marking tag				SHZ/2 (cod. SH001)	SHZ/2 (cod. SH001)
End bracket	Screw TH35			BT/2 (cod. BT006)	BT/2 (cod. BT006)



Modular test plug

In electrical panels where the spaces are particularly limited and in any case when a high wiring density is required, Cabur proposes, also for the connection with spring technology, a series of mini terminal blocks, for conductors up to 4 mm2. The range comprises three versions, for panel mounting (fixing with screw or clip) and for mounting on 15 mm PR/2 guide, according to IEC 60715. The particular conformation of the insulating body of the three types of terminal blocks enables snap-in coupling of each of them, including between terminal blocks of different types, in order to ensure the maximum flexibility of use.

SUGGESTED COMPOSITION: for mounting terminal boards made up of **HPP.2/GR** terminal blocks a conformation of the terminal board of four **HP.2/GR** for every **HPP.2/GR** is recommended. If instead it is necessary to remove the terminal board thus made up from the guide, it is recommended to separate units made up of a **HPP.2/GR** and remove one at a time, with the aid of an opportune screwdriver (CCH/2,5-4), acting in the specific slots.

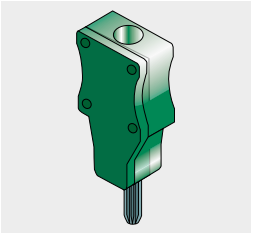
MINI SPRING-CLAMP TERMINAL BLOCKS

- panel mount by means of clips
- fixing hole Ø 3.5 mm
- panel thickness 0.6 – 1.2 mm

INERIS 16 ATEX 9002 U	IECEx INE 16.0032U
I M2 Ex e I Mb	Ex e I Mb
II 2 G Ex E IIC Gb	Ex e IIC Gb

(1) See chapter accessories for more details

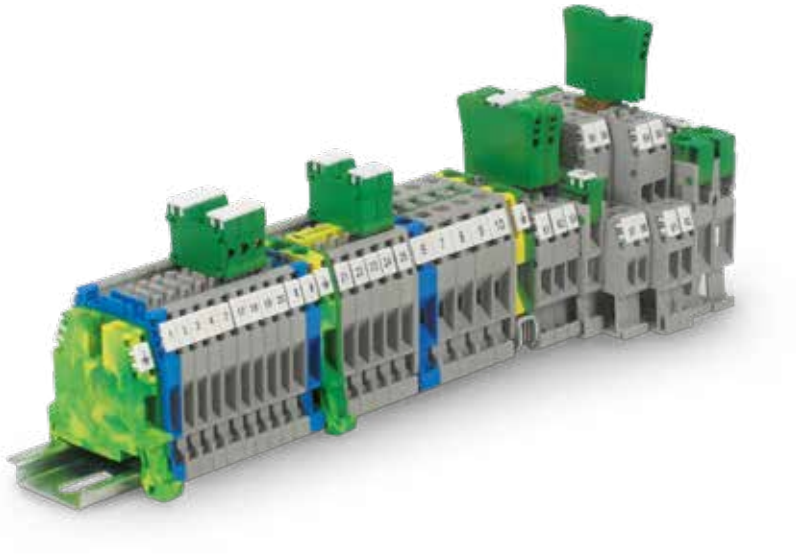
GREY VERSION		**CODE**	**HP160GR**
		TYPE	**HPC.2/GR**
BLUE VERSION		**CODE**	**HI131**
		TYPE	**HPC.2 (EX)I**
TECHNICAL CHARACTERISTICS			
Function/type			feed-through
Rated cross-section		(mm²)	2.5
Connecting capacity	Flexible	(mm²)	0.2–4
	Rigid	(mm²)	0.2–4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800
	Max current with rated cross-section	(A)	24
	Section	Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	20 / 24
	Section Min-Max	(AWG)	28-12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	630
	Max current with rated cross-section	(A)	24
	Operating temperature	(°C)	-40 +80
Rated impulse withstand voltage/pollution degree			8 KV / 3
Insulation stripping lenght		(mm)	10
Lenght		(mm)	36
Width		(mm)	5.2
Height mounted on TH35/7,5		(mm)	31
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0
APPROVALS			
ACCESSORIES			
End section	Grey		HPV/PT/GR (cod. HV111GR)
	Blue		-
	Thickness	(mm)	1.5
Cross connection	PTC version (1)		PTC/03/... (cod. PTC03...)
	PTP version (1)		-
	Rated current	(A)	24
Cross connection identification strip	green		PTC/SP (cod. PTC0990)
Coloured partition	Red		DFP/2/R (cod. DFP2R)
Test plug			SDD/1 (cod. DD001)
Modular test plug			SDH/5 (cod. DH005)
End section for modular test plug			SH5/PT (cod. DH501)
Screwdriver for activation of the spring			CCH/2.5-4 (cod. CCH02)
Marking tag			SHZ/2 (cod. SH001)
End bracket	Screw TH35		BT/2 (cod. BT006)



Modular test plug

In electrical panels where the spaces are particularly limited and in any case when a high wiring density is required, Cabur proposes, also for the connection with spring technology, a w of mini terminal blocks, for conductors up to 4 mm2. The range comprises three versions, for panel mounting (fixing with screw or clip) and for mounting on 15 mm PR/2 guide.
The particular conformation of the insulating body of the three types of terminal blocks enables snap-in coupling of each of them, including between terminal blocks of different types, in order to ensure the maximum flexibility of use.

Screw-Clamp Terminal Blocks



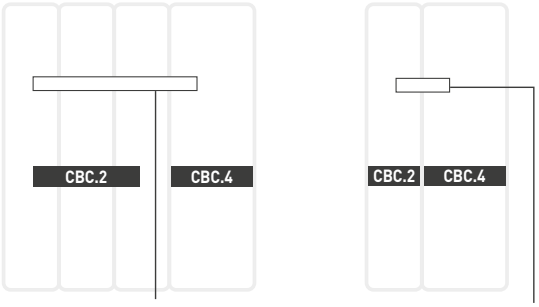
CESI 08 ATEX 061 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0002U
Ex eb I Mb
Ex eb IIC Gb

- Reduced overall dimensions
- Mounting on PR/3 rails according IEC 60715, TH/35 type
- Nominal voltage 1000 V
- Maximum continual operating temperature 130°C
- Double possibility of inserting multi-pole PTC cross connections, with no need for additional insulating covers, thanks to the patented "Easy Bridge" (PTC) system and to the new "Easy Bridge Plus" (PTP)
- Available in grey and blue; for other available colours refer to the single versions

Easy Bridge System

The Cross connection can be supplied in "standard" size, for 2-3-5-10 poles, or in 250-mm-long bars. The "Easy Bridge" connection system guarantees the widest possibility of transversal connection, including offset.

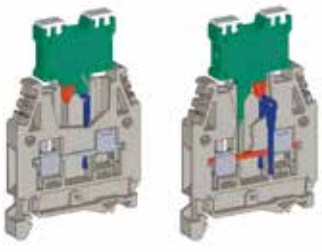


Multi-pole CBC.2 cross-connection

2 pole CBC.2 cross-connection

The cross connections can also be used to connect in parallel terminal blocks of the same section with the first of the following unit with a different section.

SDC
mounted



SDC/P
mounted

SDC - SDC/P
with conductors

DFM/900

DFM/800

After cutting the bar for the number of poles necessary, insert the cross connection in the special cavity of the terminal block.
At this point working with the tip of a screwdriver, push the cross connection up to the locking point. The cross connection will be completely isolated and intrinsically IPXXB protected.

After inserting the cross connection, the poles connected can be highlighted with the aid of the green insert, PTC/SP. This accessory is supplied in the standard length of 100 mm and can easily be sliced with the aid of a simple cutter.

To remove the cross connection it is sufficient to remove the PTC/SP insert, insert the tip of the screwdriver in the slot of the cross connection itself, lever it and pull it out.

CESI 08 ATEX 061 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION			CBC02GR	CBC04GR	CBC06GR
	CODE				
	TYPE		CBC.2/GR	CBC.4/GR	CBC.6/GR
BLUE VERSION	CODE		CBI02	CBI04	CBI06
	TYPE		CBC.2 (EX)I	CBC.4 (EX)I	CBC.6 (EX)I
TECHNICAL CHARACTERISTICS					
Function/type			feed-through	feed-through	feed-through
Rated cross-section		(mm²)	2.5	4	6
Connecting capacity	Flexible	(mm²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
	Rigid	(mm²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
	Max.flexible with ferrule - ferrule type	(mm²)	2.5 - WP25 / 14	4 - WP40 / 16	6 - WP60 / 20
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000	1000
	Max current with rated cross-section	(A)	24	32	41
	Max current with Max cross-section	(A)	37	45	64
	Section	Caliber	A3	A4	A5
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Max current with rated cross-section/Factory wiring only	(A)	20 / 24	30 / 32	50
	Section Min-Max	(AWG)	20-12	20-10	20-8
	Tightening torque	(lb.in)	3.5	4.4	15
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	500	500	500
	Max current with rated cross-section	(A)	24	32	41
	Operating temperature	(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3	8 KV / 3
Insulation stripping length		(mm)	9	10	10
Tightening torque nominal/max		(Nm)	0,4 / 0,8	0,5 / 1,2	0,8 / 1,4
Width		(mm)	5	6	8
Length		(mm)	44	44	44
Height mounted on TH35/7,5		(mm)	52	52	52
Height mounted on TH35/15		(mm)	60	60	60
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey		CBC.2-10/PT/GR (cod. CB061GR)	CBC.2-10/PT/GR (cod. CB061GR)	CBC.2-10/PT/GR (cod. CB061GR)
	Blue		CBC.2-10/PT (Ex)i (cod. CBI061)	CBC.2-10/PT (Ex)i (cod. CBI061)	CBC.2-10/PT (Ex)i (cod. CBI061)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		PTC/2/... (cod. PTC02...)	PTC/4/... (cod. PTC04...)	PTC/6/... (cod. PTC06...)
	PTP version (1)		PTP/2/... (cod. PTP02...)	PTP/4/... (cod. PTP04...)	-
	Rated current / Rated current ATEX applications	(A)	24 / 21	32 / 25	41 / 35
Cross connection identification strip	green		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Disconnectable parallel bridge			-	-	-
Multiple common bar	250 mm		-	-	-
Shunting screw and sleeve	Standard / Ex e version		-	-	-
Coloured partition	red		DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)
Cross connection barrier	red		DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)
Test plug socket			-	-	-
Test plug			-	-	-
Polarization insert			SDC/POL (cod. DCPOL)	SDC/POL (cod. DCPOL)	-
Modular test plug			SDC/5 (cod. DC005) - SDC/5P (cod. DC05P)	SDC/6 (cod. DC006) - SDC/6P (cod. DC06P)	-
Numbering strip			CNU/8/51 (cod. NU0851S)	CNU/8/61 (cod. NU0861S)	-
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks		PRP/7/G (cod. PRP070G)	PRP/7/G (cod. PRP070G)	PRP/7/G (cod. PRP070G)
Cover for cross-connection			-	-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

SCREW TERMINAL BLOCKS

cabur

CESI 08 ATEX 061 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION	CODE	CBC10GR	CBC16GR	CBC35GR
	TYPE	CBC.10/GR	CBC.16/GR	CBC.35/GR
BLUE VERSION	CODE	CBI10	CBI16	CBI35
	TYPE	CBC.10 (EX)I	CBC.16 (EX)I	CBC.35 (EX)I

TECHNICAL CHARACTERISTICS

Function/type				feed-through	feed-through	feed-through
Rated cross-section		(mm²)	10	16	35
Connecting capacity	Flexible	(mm²)	1,5 ÷ 16	1,5 ÷ 25	2,5 ÷ 50
	Rigid	(mm²)	1,5 ÷ 16	1,5 ÷ 25	2,5 ÷ 50
	Max.flexible with ferrule - ferrule type	(mm²)	10 - WP100 / 21	16 - WP160 / 22	35 - WP350 / 30
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000	1000
	Max current with rated cross-section	(A)	57	76	125
	Max current with Max cross-section	(A)	85	114	160
	Section	Caliber	B6	B7	B9
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Max current with rated cross-section/Factory wiring only	(A)	65	100	125
	Section Min-Max	(AWG)	14-6	16-3	12-1
	Tightening torque	(lb.in)	17	25	75
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	400	500	630
	Max current with rated cross-section	(A)	57	76	125
	Operating temperature	(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			8 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	12	18	18
Tightening torque nominal/max		(Nm)	1,2 / 1,9	2 / 3	2,5 / 5
Width		(mm)	10	12	16
Length		(mm)	44	47	56
Height mounted on TH35/7,5		(mm)	52	56	63
Height mounted on TH35/15		(mm)	60	64	71
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		CBC.2-10/PT/GR (cod. CB061GR)	CBC.16/PT/GR (cod. CB161GR)	CBC.35/PT/GR (cod. CB351GR)
	Blue		CBC.2-10/PT (Ex)i (cod. CBI061)	CBC.16/PT (Ex)i (cod. CBI161)	CBC.35/PT (Ex)i (cod. CBI351)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)		PTC/10/... (cod. PTC10...)	POF/53 (cod. POF53) - PFX/53 (cod. PFX53)	POF/35 (cod. POF35) - PFX/35 (cod. PFX35)
	PTP version (1)		-	-	-
	Rated current / Rated current ATEX applications	(A)	57 / 47	76 / 76	125 / 125
Cross connection identification strip	green		PTC/SP (cod. PTC0990)	-	-
Disconnectable parallel bridge			-	POS/53 (cod. POS53)	-
Multiple common bar	250 mm		-	PMP/05 (cod. PMP05) 21 poles	PMP/35 (cod.PMP35) 16 poles
Shunting screw and sleeve	Standard / Ex e version		-	CPM/53 (cod. CPM53) - CPX/53 (cod. CPX53)	CPM/35 (cod. CPM35) - CPX/35 (cod. CPX35)
Coloured partition	red		DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)	DFU/5/R (cod. DU05R)
Cross connection barrier	red		DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/700 (cod. DF700)	DFM/700 (cod. DF700)
Test plug socket			-	PSD/B (cod. PD002)	PSD/B (cod. PD002)
Test plug			-	SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Polarization insert			-	-	-
Modular test plug			-	-	-
Numbering strip			-	-	-
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks		PRP/7/G (cod. PRP070G)	TUM/16 (cod. TUM16)	TUM/16 (cod. TUM16)
Cover for cross-connection			-	PRP/7 (cod. PRP07)	PRP/8 (cod. PRP08)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

SCREW TERMINAL BLOCKS

(1) See chapter accessories for more details

GREY VERSION		**CODE**	**CR110GR**
		TYPE	**CBR.2/GR**
BEIGE VERSION		**CODE**	**CR110**
		TYPE	**CBR.2**
BLUE VERSION		**CODE**	**CI110**
		TYPE	**CBR.2 (EX)I**
TECHNICAL CHARACTERISTICS			
Function/type			distributor feed-through (2 inputs / 2 outputs)
Rated cross-section		(mm²)	2.5
Connecting capacity	Flexible	(mm²)	0.2÷4
	Rigid	(mm²)	0.2÷4
	Max.flexible with ferrule - ferrule type	(mm²)	2.5 - WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800
	Max current with rated cross-section	(A)	24
	Section	Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	15
	Section Min-Max	(AWG)	20 - 14
	Tightening torque	(lb.in)	5,5
Rated impulse withstand voltage/pollution degree			8kV / 3
Insulation stripping length		(mm)	8
Tightening torque nominal/max		(Nm)	0,4 / 0,5
Width		(mm)	5
Length		(mm)	43
Height mounted on TH35/7,5		(mm)	52
Height mounted on TH35/15		(mm)	60
Height mounted on G32		(mm)	56
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			Polyamide UL94 V0
APPROVALS			
ACCESSORIES			
End section	Grey		CBR/PT/GR (cod. CR111GR)
	Beige		CBR/PT (cod. CR111)
	Blue		-
	Thickness	(mm)	1.5
Cross connection	(1)		PM/25/... (cod. PM25...)
	Rated current / Rated current ATEX applications	(A)	24
Multiple common bar	250 mm		PMP/25 (cod. PMP25)
Shunting screw and sleeve			CPM/25 (cod. CPM25)
Coloured partition	red		DFU/4/R (cod. DU04R)
Test plug socket			PSD/K (cod. PD011)
Test plug			SDD/1 (cod. DD001)
Marking tag			CNU/8/51 (cod. NU0851S)
Cover for cross-connection			PRP/5 (cod. PRP05)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws
- possible to create parallel connections (GPA.70)

GREY VERSION			**CODE**	**GA400GR**
			TYPE	**GPA.70/GR**
BEIGE VERSION			**CODE**	**GA400**
			TYPE	**GPA.70**
BLUE VERSION			**CODE**	**GA410**
			TYPE	**GPA.70 (EX)I**

TECHNICAL CHARACTERISTICS				
Function/type			feed-through	feed-through
Rated cross-section		(mm²)	70	70
Connecting capacity	Flexible	(mm²)	10 ÷ 95	10 ÷ 95
	Rigid	(mm²)	10 ÷ 95	10 ÷ 95
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000
	Max current with rated cross-section	(A)	192	192
	Section	Caliber	B11	B11
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	215	215
	Section Min-Max	(AWG)	8 ÷ 4/0	8 ÷ 4/0
	Tightening torque	(lb.in)	79,5	79,5
Rated impulse withstand voltage/pollution degree			12 kV / 3	12 kV / 3
Insulation stripping length		(mm)	25	25
Tightening torque nominal/max		(Nm)	6 / 9 (Allen screw, 4 mm wrench)	6 / 9 (Allen screw, 4 mm wrench)
Width		(mm)	20.5	20.5
Length		(mm)	91	102
Height mounted on TH35/7,5		(mm)	70	-
Height mounted on TH35/15		(mm)	78	-
Height mounted on G32		(mm)	75	-
Height mounted on panel		(mm)	-	65
Fixing distance betwen centers		(mm)	-	88
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS				

ACCESSORIES				
Cross connection	2 poles preassembled		POF/70 (cod. P0F70)	POF/70 (cod. P0F70)
	Rated current	(A)	192	192
Cover for cross-connection			PRP/08 (cod. PRP08)	PRP/08 (cod. PRP08)
Multiple common bar	250 mm		PMP/08 (cod. PMP08)	PMP/08 (cod. PMP08)
Shunting screw and sleeve			CPM/70 (cod. CPM70) 12 poles	CPM/70 (cod. CPM70) 12 poles
Coloured partition	red		DF/GPA/70/R (cod. DU070R)	DF/GPA/70/R (cod. DU070R)
Test plug socket			PSD/C (cod. PD003)	PSD/C (cod. PD003)
Test plug			SDD/2 (cod.DD002)	SDD/2 (cod.DD002)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws
- possible to create parallel connections (GPA.70)

GREY VERSION			**CODE**	**GA100GR**
			TYPE	**GPA.95/GR**
BEIGE VERSION			**CODE**	**GA100**
			TYPE	**GPA.95**
BLUE VERSION			**CODE**	**GA110**
			TYPE	**GPA.95 (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type				feed-through
Rated cross-section			(mm²)	95
Connecting capacity	Flexible		(mm²)	10 ÷ 95
	Rigid		(mm²)	10 ÷ 120
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	1000
	Max current with rated cross-section		(A)	232
	Section		Caliber	B12
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600
	Max current with rated cross-section		(A)	232
	Section Min-Max		(AWG)	2 ÷ 250 MCM
	Tightening torque		(lb.in)	90
Rated impulse withstand voltage/pollution degree				12 kV / 3
Insulation stripping length			(mm)	30
Tightening torque nominal/max			(Nm)	6 / 9 (Allen screw, 4 mm wrench)
Width			(mm)	26
Length			(mm)	98
Height mounted on TH35/7,5			(mm)	87
Height mounted on TH35/15			(mm)	95
Height mounted on G32			(mm)	91
Height mounted on panel			(mm)	-
Fixing distance betwen centers			(mm)	-
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Cross connection	2 poles preassembled			-
	Rated current		(A)	-
Cover for cross-connection				-
Multiple common bar	250 mm			-
Shunting screw and sleeve				-
Coloured partition	red			-
Test plug socket				-
Test plug				-
Marking tag				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Screw TH35			BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)
	Snap-fit TH35 and G32			BTU (cod. BT005)

GREY VERSION			**CODE**	**GF100GR**
			TYPE	**GPA.95/FIX/GR**
BEIGE VERSION			**CODE**	**GF100**
			TYPE	**GPA.95/FIX**
BLUE VERSION			**CODE**	
			TYPE	
TECHNICAL CHARACTERISTICS				
Function/type				feed-through
Rated cross-section			(mm²)	95
Connecting capacity	Flexible		(mm²)	10 ÷ 95
	Rigid		(mm²)	10 ÷ 120
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	1000
	Max current with rated cross-section		(A)	232
	Section		Caliber	B12
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600
	Max current with rated cross-section		(A)	232
	Section Min-Max		(AWG)	2 ÷ 250 MCM
	Tightening torque		(lb.in)	90
Rated impulse withstand voltage/pollution degree				12 kV / 3
Insulation stripping length			(mm)	30
Tightening torque nominal/max			(Nm)	6 / 9 (Allen screw, 4 mm wrench)
Width			(mm)	26
Length			(mm)	111
Height mounted on TH35/7,5			(mm)	-
Height mounted on TH35/15			(mm)	-
Height mounted on G32			(mm)	-
Height mounted on panel			(mm)	82
Fixing distance betwen centers			(mm)	97
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Cross connection	2 poles preassembled			-
	Rated current		(A)	-
Cover for cross-connection				-
Multiple common bar	250 mm			-
Shunting screw and sleeve				-
Coloured partition	red			-
Test plug socket				-
Test plug				-
Marking tag				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Screw TH35			BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)
	Snap-fit TH35 and G32			BTU (cod. BT005)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws
- possible to create parallel connections (GPA.70)

GREY VERSION			**CODE**	**GA200GR**
			TYPE	**GPA.150/GR**
BEIGE VERSION			**CODE**	**GA200**
			TYPE	**GPA.150**
BLUE VERSION			**CODE**	
			TYPE	
TECHNICAL CHARACTERISTICS				
Function/type				feed-through
Rated cross-section		(mm²)		150
Connecting capacity	Flexible	(mm²)		50 ÷ 150
	Rigid	(mm²)		50 ÷ 185
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		1000
	Max current with rated cross-section	(A)		309
	Section	Caliber		B14
Electrical characteristics According to UL	Max AC/DC Voltage	(V)		600
	Max current with rated cross-section	(A)		309
	Section Min-Max	(AWG)		1/0 ÷ 350 MCM
	Tightening torque	(lb.in)		142
Rated impulse withstand voltage/pollution degree				12 kV / 3
Insulation stripping length		(mm)		35
Tightening torque nominal/max		(Nm)		10 / 15 (Allen screw, 5 mm wrench)
Width		(mm)		31
Length		(mm)		108
Height mounted on TH35/7,5		(mm)		99
Height mounted on TH35/15		(mm)		103
Height mounted on G32		(mm)		106
Height mounted on panel		(mm)		-
Fixing distance betwen centers		(mm)		-
Insulation material temperature index (EN 60216-1)		(°C)		130
Plastic material				Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Cross connection	2 poles preassembled			-
	Rated current	(A)		-
Cover for cross-connection				-
Multiple common bar	250 mm			-
Shunting screw and sleeve				-
Coloured partition	red			-
Test plug socket				-
Test plug				-
Marking tag				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Screw TH35			BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)
	Snap-fit TH35 and G32			BTU (cod. BT005)

GF200GR				
GPA.150/FIX/GR				
GF200				
GPA.150/FIX				
feed-through				
150				
50 ÷ 150				
50 ÷ 185				
1000				
309				
B14				
600				
309				
1/0 ÷ 350 MCM				
142				
12 kV / 3				
35				
10 / 15 (Allen screw, 5 mm wrench)				
31				
122				
-				
-				
-				
94				
106				
130				
Polyamide UL94 V0				
-				
-				
-				
-				
-				
-				
-				
CNU/08/51 (cod. NU0851S)				
CNU/10/61 (cod. NU1061S)				
BT/3 (cod. BT003)				
BTO (cod. BT007)				
BTU (cod. BT005)				

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws
- possible to create parallel connections (GPA.70)

GREY VERSION			**CODE**	**GA300GR**
			TYPE	**GPA.240/GR**
BEIGE VERSION			**CODE**	**GA300**
			TYPE	**GPA.240**
BLUE VERSION			**CODE**	
			TYPE	
TECHNICAL CHARACTERISTICS				
Function/type				feed-through
Rated cross-section		(mm²)		240
Connecting capacity	Flexible	(mm²)		95 ÷ 240
	Rigid	(mm²)		50 ÷ 300
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		1000
	Max current with rated cross-section	(A)		415
	Section	Caliber		B16
Electrical characteristics According to UL	Max AC/DC Voltage	(V)		600
	Max current with rated cross-section	(A)		415
	Section Min-Max	(AWG)		3/0 ÷ 600 MCM
	Tightening torque	(lb.in)		300
Rated impulse withstand voltage/pollution degree				12 kV / 3
Insulation stripping length		(mm)		40
Tightening torque nominal/max		(Nm)		14 / 21 (Allen screw, 6 mm wrench)
Width		(mm)		37
Length		(mm)		119
Height mounted on TH35/7,5		(mm)		120
Height mounted on TH35/15		(mm)		124
Height mounted on G32		(mm)		128
Height mounted on panel		(mm)		-
Fixing distance betwen centers		(mm)		-
Insulation material temperature index (EN 60216-1)		(°C)		130
Plastic material				Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Cross connection	2 poles preassembled			-
	Rated current	(A)		-
Cover for cross-connection				-
Multiple common bar	250 mm			-
Shunting screw and sleeve				-
Coloured partition	red			-
Test plug socket				-
Test plug				-
Marking tag				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Screw TH35			BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)
	Snap-fit TH35 and G32			BTU (cod. BT005)

GF300GR				
GPA.240/FIX/GR				
GF300				
GPA.240/FIX				
				feed-through
				240
				95 ÷ 240
				50 ÷ 300
				1000
				415
				B16
				600
				415
				3/0 ÷ 600 MCM
				300
				12 kV / 3
				40
				14 / 21 (Allen screw, 6 mm wrench)
				37
				134
				-
				-
				-
				115
				118
				130
				Polyamide UL94 V0
				-
				-
				-
				-
				-
				-
				-
				-
				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
				BT/3 (cod. BT003)
				BTO (cod. BT007)
				BTU (cod. BT005)

EARTH TERMINAL BLOCKS

- same profile and dimensions of the corresponding terminal blocks of the CBC and GPA Series
- No end plates required, already closed in yellow/green shells

YELLOW/GREEN VERSION		CODE TYPE	TO120 TEC.6/0	TO510 TEC.10/0	TO220 TEC.16/0
TECHNICAL CHARACTERISTICS					
Function/type			earth terminal block	earth terminal block	earth terminal block
Rated cross-section		(mm²)	6	10	16
Connecting capacity	Flexible	(mm²)	0.5÷10	1,5 ÷ 16	1,5 ÷ 25
	Rigid	(mm²)	0.5÷10	1,5 ÷ 16	1,5 ÷ 25
	Max. flexible with ferrule - ferrule type	(mm²)	6 - WP60/20	10 - WP100/21	16 - WP160/22
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Section	Caliber	A5	B6	B7
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	-	-
	Max current with rated cross-section	(A)	-	-	-
	Section Min-Max	(AWG)	24-8	-	-
	Tightening torque	(lb.in)	15	-	-
Rated impulse withstand voltage/pollution degree			8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		(mm)	10	12	15
Tightening torque nominal/max		(Nm)	0,8 / 1,4	1,2 / 1,9	2 / 1,2
Width		(mm)	8	10	12
Length		(mm)	44	44	47
Height mounted on TH35/7,5		(mm)	52	52	56
Height mounted on TH35/15		(mm)	60	60	64
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232

Taken from CEI EN 60947-7-2 standard

EARTH TERMINAL BLOCKS

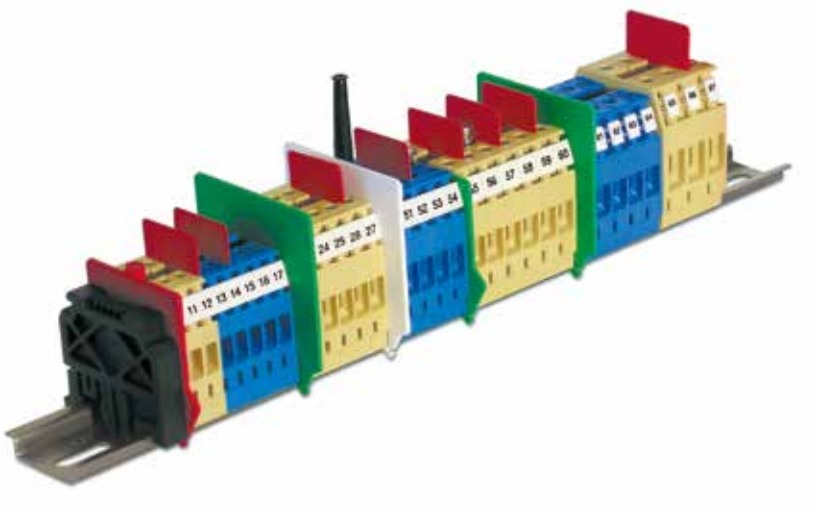
- same profile and dimensions of the corresponding terminal blocks of the CBC and GPA Series
- No end plates required, already closed in yellow/green shells

YELLOW/GREEN VERSION			CODE TYPE	T0320 TEC.35/0	T0810 TEC.70/0
TECHNICAL CHARACTERISTICS					
Function/type				earth terminal block	earth terminal block
Rated cross-section			(mm²)	35	70
Connecting capacity	Flexible		(mm²)	2,5 ÷ 50	10 ÷ 95
	Rigid		(mm²)	2,5 ÷ 50	10 ÷ 95
	Max. flexible with ferrule - ferrule type		(mm²)	-	-
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section		Caliber	B9	B11
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section Min-Max		(AWG)	-	-
	Tightening torque		(lb.in)	-	-
Rated impulse withstand voltage/pollution degree				12kV / 3	8kV / 3
Insulation stripping length			(mm)	18	25
Tightening torque nominal/max			(Nm)	2,5 / 5	6 / 9
Width			(mm)	16	20.5
Length			(mm)	56	70
Height mounted on TH35/7,5			(mm)	63	81.5
Height mounted on TH35/15			(mm)	71	74
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232

Taken from CEI EN 60947-7-2 standard



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I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0009U
Ex eb I Mb
Ex eb IIC Gb

- Behaviour in flame UL94V-0
- Universal mounting on PR/DIN and PR/3 rails in accordance with IEC 60715 standard
- Maximum continual operating temperature 130°C

The CBD Series comprises eight sizes, distinguished by:

- Very small space occupied
- Large connecting capacity
- Effective current capacity higher than established reference values
- Very low contact resistance of the connection
- Materials of excellent quality and, consequently, maximum reliability over time
- Great practicality of use

Cabur has always designated each product mainly with a Code, distinguished by a part in letters (generally 3) and a number, with an interposed dot.
This number defines the **rated cross-section** of the terminal in question; which as laid down in the reference Standard is "the figure, expressed in mm², corresponding to the section of the connectable conductor, declared by the Manufacturer, to which the thermal, mechanical and electrical parameters of the product are referred".

The field of use of the terminal block is however much wider and is defined by its connecting capacity, that is the range of sections of conductors, both rigid and flexible, minimum and maximum, that the terminal block is capable of connecting, in full observance of all the parameters laid down in the reference Standards.
In the table provided below, in fact, the "classic" code of each terminal block has been supplemented with the addition, after the existing number, which still indicates the nominal size, of a second numeric value, separated from the first by a /, which represents the size, in mm², of the maximum flexible conductor effectively connectable to the terminal block. In the event of use of rigid conductors (with single wire or corded) it is necessary to check also what is stated in the technical specifications of each product, under the item "connecting capacity", because in many cases the size of the maximum rigid conductor connectable is even larger.

Type	Ratedcross section	Flexible conductor (mm²)		Rigid conductor (mm²)		Gauge	Max. current
	(mm²)	min.	max.	min.	max.		(A)
CBD.2/4	2.5	0.5	4	0.5	4	A3	29
CBD.4/6	4	0.5	6	0.5	6	A4	40
CBD.6/10	6	0.5	10	0.5	10	A5	58
CBD.10/16	10	0.5	16	0.5	16	B6	77
CBD.16/25	16	0.5	25	0.5	25	B7	104
CBD.35/35	35	0.5	35	0.5	50	B8	147
CBD.50/50	50	1.5	50	1.0	70	B9	180
CBD.70/95	70	1.5	95	1.0	95	B11	250

APPROVALS

UL U.S.A.-Canada

Terna LV 27/1

KEMA - KEUR

CESI ATEX Ex e Italy

Enel DV 27/1

R.I.NA. Italy

SCREW TERMINAL BLOCKS

Type of connection:
It is with a screw, on both sides, indirect and self-locking. The clamping screws are accessible only with a special screwdriver and the particular shape of the head makes them impossible to lose. The screw clamping offers the best guarantees of a mechanical seal and of effective passage of the current and is suitable for the connection, with or without special preparation, of conductors of all sections. The tightening and loosening operations are extremely simple and are carried out with commonly-used tools, namely screwdrivers; it is however important, in any case, to use screwdrivers of the right characteristics and dimensions so as not to cause damage either to the screw itself or to the insulating base.

Conducting body:
of the sleeve type, **made entirely of copper-zinc alloy with nickel-plating treatment**; the characteristics of the material used and the manufacturing methods are such as to avoid the phenomenon of possible breakages, known as "seasoning cracks".

Tightening reliability:
opportune orthogonal ribs, at the bottom of the sleeve and on the lower surface of the clamping platelets, ensure in the various situations perfect electrical contact with the conductors and efficient mechanical locking. The grip on the conductor is made particularly effective by the elastic function performed by the clamping platelet; this, in particular, under the pressure of the screw, tends to bend, thus exercising a reaction applied to the head of the screw itself, which opposes unscrewing, even in the presence of dynamic stresses (vibrations).

Ease of insertion:
Inserting the conductor in the terminal block is facilitated:
- by the inclined invitation surfaces made on the insulating base
- by the rounded shape of the clamping platelet
- by the adequate size of the introduction hole with respect to the the diameter of the maximum insertable conductor. The conductor introduction depth is limited by a barrier fitted on the insulating base.

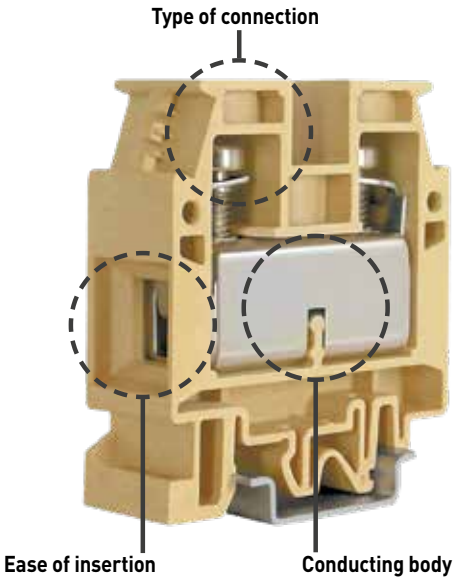
Other functions:
besides their main function of feed-through terminal blocks, the CBD terminal blocks are designed and made so as to be able to perform other functions. In fact, using a hole made in the upper part of the conducting body it is possible:
- to create a fixed or switchable transversal connection (cross connection) between two adjoining terminal blocks
- to create a multiple common bar connection between several adjoining terminal blocks
- to insert a socket for a test plug
- to insert a composable test plug for multiple signal testing.

Marking: all CBD terminal blocks offer the possibility of coding, on both sides, using the CNU/8, CNU/10 or CSC marking tags (this last system enables the composition of alphanumeric codes up to a maximum of four characters, six with the ADR/6 adapter).
Mounting: the polyamide terminal blocks of the CBD Series are made ready to be mounted indifferently on supporting rails of G32 or TH/35 type (IEC 60715 standard), with evident advantages and facilitations in procuring, managing and in general using the product.

TH/35-7.5 rail

TH/35-15 rail

"G 32"-type rail



CNU marking

CSC marking

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I M2 Ex eb I Mb
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Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details
(2) If you need to connect shielded cable with CB009 accessory, the rated voltage is reduce to 200V

		CB110	CB240	CB340
BEIGE VERSION	CODE			
	TYPE	CBD.2	CBD.4	CBD.6
BLUE VERSION	CODE	CBX12	CBX24	CBX34
	TYPE	CBD.2 (EX)I	CBD.4 (EX)I	CBD.6 (EX)I
GREY VERSION	CODE			
	TYPE			

TECHNICAL CHARACTERISTICS

			CB110 CBD.2	CB240 CBD.4	CB340 CBD.6
Function/type			Feed-through	Feed-through	Feed-through
Rated cross-section		(mm²)	2.5	4	6
Connecting capacity	Flexible	(mm²)	0.5 – 4	0.5 – 6	0.5 – 10
	Rigid	(mm²)	0.5 – 4	0.5 – 6	0.5 – 10
	Max. flexible with ferrule - ferrule type	(mm²)	2.5 - WP25/14	4 - WP40/16	6 - WP60/20
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	690	1000	1000
	Max current with rated cross-section	(A)	24	32	41
	Section	Caliber	A3	A4	A5
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Max current with rated cross-section	(A)	20 / 25	30 / 32	50
	Section Min-Max	(AWG)	20 - 12	20 - 10	20 - 8
	Tightening torque	(lb.in)	5.5	8.9	13.3
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	400 / 630	500 / 630	500 / 630
	Max current with rated cross-section	(A)	24	32	41
	Operating Temperature	(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			8kV/3	12kV/3	12kV/3
Insulation stripping length		(mm)	13	14	14
Tightening torque nominal/max		(Nm)	0.4 / 0.8	0.5 / 1.2	0.8 / 1.4
Width		(mm)	5.5	6.5	8
Length		(mm)	40.5	44	44
Height mounted on TH35/7,5		(mm)	47	52	52
Height mounted on TH35/15		(mm)	55	60	60
Height mounted on G32		(mm)	51	56	56
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					

ACCESSORIES

			CB110 CBD.2	CB240 CBD.4	CB340 CBD.6
End section	Grey		-	-	-
	Blue		CB2/PT (Ex)i (cod. CBX13)	CB4/6/PT (Ex)i (cod.CBX25)	CB4/6/PT (Ex)i (cod.CBX25)
	Beige		CB2/PT (cod. CB111)	CB4/6/PT (cod. CB241)	CB4/6/PT (cod. CB241)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	(1)		PM/20/... (cod. PM2...)	PM/40/... (cod. PM4...)	PM/60/... (cod. PM6...)
	Rated current / Rated current ATEX applications	(A)	24 / 24	32 / 32	41 / 41
Switchable cross connection			POS/11 (cod.POS11)	POS/42 (cod. POS42)	POS/93 (cod. POS93)
Multiple common bar	250 mm		PMP/01/45 (cod. PMP01) 45 poles	PMP/42/38 (cod. PMP42) 38 poles	PMP/13/31 (cod. PMP13) 31 poles
Shunting screw and sleeve (same, Ex e version)			CPM/21 (cod. CPM21) - CPX/21 (cod. CPX21)	CPM/12 (cod. CPM12) - CPX/12 (cod. CPX12)	CPM/83 (cod.CPM83) - CPX/83 (cod. CPX83)
Coloured partition	red		DFU/1/R (cod. DU01R)	DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)
Cross connection barrier	red		DFM/600 (cod. DF600)	DFM/600 (cod. DF600)	DFM/600 (cod. DF600)
Test plug socket			PSD/D (cod. PD004)	PSD/D (cod. PD004)	PSD/N (cod. PD013)
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug			SDD/5 (cod. DD005)	SDD/6 (cod. DD006)	-
End section for modular test plug			SD5/PT (cod. DD501)	SD6/PT (cod. DD601)	-
Adhesive numbering strip			TMM102105AW	TMM102105AW	TMM102105AW
Warning plate	on adjacent terminal blocks		TQM/02 on 4 (cod. TQM02)	TTM/12 on 3 and on 4 (cod. TTM12)	TTM/15 on 3 (cod. TTM15) - TQM/15 on 4 (cod. TQM15)
Cover for cross-connection			PRP/6 (cod. PRP06)	PRP/6 (cod. PRP06)	PRP/7 (cod. PRP07)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)
Screening lug	(2)		CBD/SH (cod. CB009)	CBD/SH (cod. CB009)	CBD/SH (cod. CB009)

CESI 01 ATEX 090 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0009U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details
(2) If you need to connect shielded cable with CB009 accessory, the rated voltage is reduce to 250V

BEIGE VERSION	**CODE**		**CB440**	**CB510**	**CB610**
	TYPE		**CBD.10**	**CBD.16**	**CBD.35**
BLUE VERSION	**CODE**		**CBX45**	**CBX52**	**CBX62**
	TYPE		**CBD.10 (EX)I**	**CBD.16 (EX)I**	**CBD.35 (EX)I**
GREY VERSION	**CODE**				
	TYPE				

TECHNICAL CHARACTERISTICS

Function/type			Feed-through	Feed-through	Feed-through
Rated cross-section		(mm²)	10	16	35
Connecting capacity	Flexible	(mm²)	0.5 – 16	0.5 – 25	0.5 – 35
	Rigid	(mm²)	0.5 – 16	0.5 – 25	0.5 – 50
	Max. flexible with ferrule - ferrule type	(mm²)	10 - WP100/21	16 - WP160/22	35 - WP350/30
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000	1000
	Max current with rated cross-section	(A)	57	76	125
	Section	Caliber	B6	B7	B8
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Max current with rated cross-section	(A)	60	100	125
	Section Min-Max	(AWG)	20 - 6	20 - 3	16 - 1
	Tightening torque	(lb.in)	13.3	19.9	22.1
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	500 / 630	630 / 630	630 / 630
	Max current with rated cross-section	(A)	57	76	125
	Operating Temperature	(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	14	18	20
Tightening torque nominal/max		(Nm)	1,2 / 1,9	1,8 / 3	2 / 3,5
Width		(mm)	10	12	16
Length		(mm)	44	47	52
Height mounted on TH35/7,5		(mm)	55	57	60
Height mounted on TH35/15		(mm)	63	65	68
Height mounted on G32		(mm)	59	61	64
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0

APPROVALS

ACCESSORIES

End section	Grey		-	-	-
	Blue		CB10/PT (Ex)i (cod. CBX44)	CB16/PT (Ex)i (cod.CBX53)	CB35/PT (Ex)i (cod. CBX63)
	Beige		CB10/PT (cod. CB431)	CB16/PT (cod.CB511)	CB35/PT (cod. CB611)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	(1)		PM/10/... (cod. PM10...)	POF/44 (cod.POF44) - PFX/44 (cod. PFX44)	POF/06 (cod. POF06) - PFX/06 (cod. PFX06)
	Rated current / Rated current ATEX applications	(A)	57 / 57	76 / 76	125 / 125
Switchable cross connection			POS/44 (cod. POS44)	POS/44 (cod. POS44)	POS/66 (cod. POS66)
Multiple common bar	250 mm		PMP/04/25 (cod.PMP04) 25 poles	PMP/05/21 (cod. PMP05) 21 poles	PMP/06/16 (cod. PMP06) 16 poles
Shunting screw and sleeve (same, Ex e version)			CPM/03 (cod. CPM03) - CPX/03 (cod. CPX03)	CPM/44 (cod. CPM44) - CPX/44 (cod. CPX44)	CPM/06 (cod. CPM06) - CPX/06 (cod.CPX06)
Coloured partition	red		DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)	DFU/5/R (cod. DU05R)
Cross connection barrier	red		DFM/700 (cod. DF700)	DFM/700 (cod. DF700)	DFM/700 (cod. DF700)
Test plug socket			PSD/B (cod. PD002)	PSD/B (cod. PD002)	PSD/B (cod. PD002)
Test plug			SDD/2 (cod. DD002)	SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Modular test plug			-	-	-
End section for modular test plug			-	-	-
Adhesive numbering strip			TMM102105AW	TMM102105AW	TMM102105AW
Warning plate	on adjacent terminal blocks		TTM/04 on 3 (cod. TTM04) - TQM/04 on 4 (cod. TQM04)	TUM/05 on 3 and on 4 (cod. TUM05)	TUM/06 on 3 and on 4 (cod. TUM06)
Cover for cross-connection			PRP/7 (cod. PRP07)	PRP/7 (cod. PRP07)	PRP/8 (cod. PRP08)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)
Screening lug	(2)		CBD/SH (cod. CB009)	-	-

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I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

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Ex eb I Mb
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BEIGE VERSION	**CODE**	**CB710**	**CB810**
	TYPE	**CBD.50**	**CBD.70**
BLUE VERSION	**CODE**	**CBX72**	**CBX82**
	TYPE	**CBD.50 (EX)I**	**CBD.70 (EX)I**
GREY VERSION	**CODE**	**CB710GR**	**CB810GR**
	TYPE	**CBD.50/GR**	**CBD.70/GR**

TECHNICAL CHARACTERISTICS

Function/type			Feed-through	Feed-through
Rated cross-section		(mm²)	50	70
Connecting capacity	Flexible	(mm²)	1.5 – 50	1.5 – 95
	Rigid	(mm²)	1 – 70	1 – 95
	Max. flexible with ferrule - ferrule type	(mm²)	50 - WP500/40	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000
	Max current with rated cross-section	(A)	150	192
	Section	Caliber	B9	B11
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	130	220
	Section Min-Max	(AWG)	16 - 1	12 - 4/0
	Tightening torque	(lb.in)	33.2	50
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	630 / 630	630 / 630
	Max current with rated cross-section	(A)	150	173
	Operating Temperature	(°C)	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	22	26
Tightening torque nominal/max		(Nm)	2,5 / 5	3 / 8
Width		(mm)	18	20.5
Length		(mm)	57	62
Height mounted on TH35/7,5		(mm)	62	71
Height mounted on TH35/15		(mm)	70	79
Height mounted on G32		(mm)	66	75
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0

APPROVALS

ACCESSORIES

End section	Grey		CB50/PT/GR (cod. CB711GR)	CB70/PT/GR (cod.CB811GR)
	Blue		CB50/PT (Ex)i (cod. CBX73)	CB70/PT (Ex)i (cod. CBX83)
	Beige		CB50/PT (cod. CB711)	CB70/PT (cod. CB811)
	Thickness	(mm)	1.5	1.5
Cross connection	(1)		POF/07 (cod. POF07) - PFX/07 (cod. PFX07)	POF/08 (cod. POF08) - PFX/08 (cod. PFX08)
	Rated current / Rated current ATEX applications	(A)	150 / 150	192 / 155
Switchable cross connection			POS/77 (cod. POS77)	POS/08 (cod. POS08)
Multiple common bar	250 mm		PMP/07/14 (cod. PMP07) 14 poles	PMP/08/12 (cod.PMP08) 12 poles
Shunting screw and sleeve (same, Ex e version)			CPM/07 (cod. CPM07) - CPX/07 (cod. CPX07)	CPM/08 (cod. CPM08) - CPX/08 (cod. CPX08)
Coloured partition	red		DFU/5/R (cod. DU05R)	DFU/6/R (cod. DU06R)
Cross connection barrier	red		DFM/700 (cod. DF700)	DFM/700 (cod. DF700)
Test plug socket			PSD/C (cod. PD003)	PSD/C (cod. PD003)
Test plug			SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Modular test plug			-	-
End section for modular test plug			-	-
Adhesive numbering strip			TMM102105AW	TMM102105AW
Warning plate	on adjacent terminal blocks		TUM/07 on 3 and on 4 TUM07	TUM/08 on 3 and on 4 TUM08
Cover for cross-connection			PRP/8 (cod. PRP08)	PRP/8 (cod. PRP08)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)
Screening lug	(2)		-	-

HIGH CURRENT TERMINAL BLOCKS

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- Mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- Nominal voltage 1000 V
- Panel mount version
- Possibility of parallel cross connection
- Available in the /BB (bar-bar), /BC (bar-cable), /CC (cable-cable) versions
- Available in grey and beige
- Maximum continual operating temperature 130°C

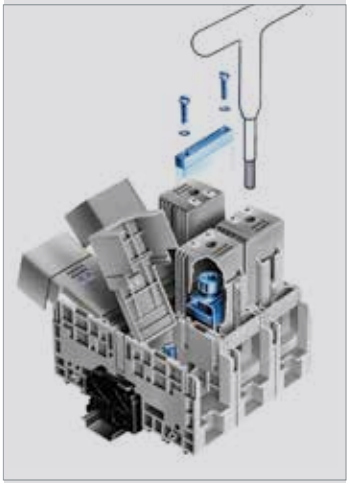
Tightening reliability: the reliability of the connection (wire terminal or bar) is guaranteed by a screw and locking nut, with the interposition of a flat washer and an elastic washer, useful above all for countering the effects of the dynamic stresses. In the versions made ready for clamping of the conductors, without preparation. The reliability of the connection is ensured by the action and the particular wrapping shape of the clamping clip, the elastic reaction of which to the force pressing down on the conductor works as a lock under the head of the clamping screw, stopping it from loosening, even in the presence of vibrations. The conductor bar is also made with an appropriate concave seat so as to increase the grip of the conductors; in addition both the contact surface of the clamping clip and the concave part of the bar feature, along the entire length, crosswise channels that help to improve the connection characteristics, as regards both the mechanical retention of the conductors and the electrical contact, guaranteeing low contact resistances.

- Protection for the "bar" versions: this protection which in the normal installation conditions has a longitudinal position with respect to the axis of the terminal block, can easily be rotated, using a simple screwdriver (as prescribed by the safety standards). In this way it is possible to access the connection unit to be able to work on the wire terminals or on the bars;
- Protection for the "cable" versions: in this case the protection is fixed and snaps in: its development is orthogonal to the axis of the terminal block and it protects the collar, the clip and the clamping screw. It is worth noting the "shutter" device, fitted on the protection in axis to the terminal block and in line with the conductor introduction hole, which enables, with manual action in maximum conditions of safety, partial or total closing of the hole itself and consequently protection of the live parts, in the case of use of conductors with a much smaller section than the nominal one or cabling of the terminal block from only one side.

Mounting: for these power terminal blocks, owing to the notable dimensions and because they are subject to high stresses due to the forces generated by the conductors, a new hooking system has been studied and created. This enables it to be mounted indifferently on the various types of standard mounting rail (IEC 60715). The terminal block is unhooked simply using a screwdriver, inserted in the special slot provided in the hooking system (yellow part). If the mounting rail itself is installed on a flat wall, the dimensions of the GPM terminal blocks make it indispensable to use flat brackets to space the terminal board from the surface adequately. For each terminal block of the Series the version for direct fixing to a panel (/FIX) is also available.

Marking: the GPM terminal blocks enable identification from both sides which can be done with both the CNU/8 (2 elements) and the CSC (up to 5 elements) type marking tags: the two possibilities are not alternatives, but can be combined.

Cross-connection: on this Series of terminal blocks it is also possible to create a cross connection between 2 or 3 adjacent terminal blocks using opportune cross connections; to insert this accessory it is necessary to remove the insulating baffle pre-engraved on the side wall of the insulating body.



- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection

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I M2 Ex e I Mb
II 2 G Ex e IIC Gb

IECEx CES 13.0012U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

BEIGE VERSION			CODE TYPE	**GP100** GPM.95/BB	**GP110** GPM.95/BB/FIX
GREY VERSION			CODE TYPE	**GP100GR** GPM.95/BB/GR	**GP110GR** GPM.95/BB/FIX/GR
TECHNICAL CHARACTERISTICS				□—●—□	□—●—□
Function/type				feed-through	feed-through
Rated cross-section		(mm²)		95	95
Connecting capacity	Flexible	(mm²)		-	-
	Rigid	(mm²)		-	-
Bars and/or cable lugs	Maximum width / bolt	(mm)		22 / M8	22 / M8
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		1000	1000
	Max current with rated cross-section	(A)		232	232
	Max current with Max cross-section	(A)		320	320
	Section	Caliber		-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)		630	630
	Max current with rated cross-section	(A)		232	232
	Operating Temperature	(°C)		-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3	12 KV / 3
Insulation stripping length		(mm)		-	-
Tightening torque nominal/max	Bar	(Nm)		6 / 9	6 / 9
	Cable	(Nm)		-	-
Width		(mm)		32	32
Length		(mm)		176	-
Height mounted on TH35/7,5		(mm)		81	-
Height mounted on TH35/15		(mm)		88	-
Height mounted on G32		(mm)		85	-
Height panel mount		(mm)		-	76
Length panel mount		(mm)		-	176
Fixing distance between centres		(mm)		-	158
Insulation material temperature index (EN 60216-1)		(°C)		130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)			POF/95/... (cod. PO95...)	POF/95/... (cod. PO95...)
	Rated current	(A)		-	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection

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I M2 Ex e I Mb
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IECEx CES 13.0012U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

BEIGE VERSION			**CODE**	**GP400**	**GP410**
			TYPE	**GPM.150/BB**	**GPM.150/BB/FIX**
GREY VERSION			**CODE**	**GP400GR**	**GP410GR**
			TYPE	**GPM.150/BB/GR**	**GPM.150/BB/FIX/GR**
TECHNICAL CHARACTERISTICS				□—●—□	□—●—□
Function/type				feed-through	feed-through
Rated cross-section			(mm²)	150	150
Connecting capacity	Flexible		(mm²)	-	-
	Rigid		(mm²)	-	-
Bars and/or cable lugs	Maximum width / bolt		(mm)	32 / M10	32 / M10
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	1000	1000
	Max current with rated cross-section		(A)	309	309
	Max current with Max cross-section		(A)	440	440
	Section		Caliber	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	1000	1000
	Max current with rated cross-section		(A)	309	309
	Operating Temperature		(°C)	-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3	12 KV / 3
Insulation stripping length			(mm)	-	-
Tightening torque nominal/max	Bar		(Nm)	10 / 15	10 / 15
	Cable		(Nm)	-	-
Width			(mm)	42	42
Length			(mm)	200	-
Height mounted on TH35/7,5			(mm)	81	-
Height mounted on TH35/15			(mm)	88	-
Height mounted on G32			(mm)	85	-
Height panel mount			(mm)	-	76
Length panel mount			(mm)	-	200
Fixing distance between centres			(mm)	-	158
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)			PFX/150/... (cod. PX15...)	PFX/150/... (cod. PX15...)
	Rated current		(A)	-	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection

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I M2 Ex e I Mb
II 2 G Ex e IIC Gb

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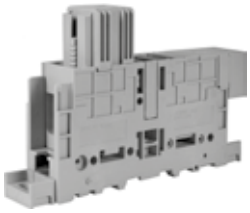
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

BEIGE VERSION			CODE TYPE	**GP700** **GPM.240/BB**	**GP710** **GPM.240/BB/FIX**
GREY VERSION			CODE TYPE	**GP700GR** **GPM.240/BB/GR**	**GP710GR** **GPM.240/BB/FIX/GR**
TECHNICAL CHARACTERISTICS				□—●—□	□—●—□
Function/type				feed-through	feed-through
Rated cross-section		(mm²)		240	240
Connecting capacity	Flexible	(mm²)		-	-
	Rigid	(mm²)		-	-
Bars and/or cable lugs	Maximum width / bolt	(mm)		40 / M12	40 / M12
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		1000	1000
	Max current with rated cross-section	(A)		415	415
	Max current with Max cross-section	(A)		600	600
	Section	Caliber		-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)		1000	1000
	Max current with rated cross-section	(A)		415	415
	Operating Temperature	(°C)		-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3	12 KV / 3
Insulation stripping length		(mm)		-	-
Tightening torque nominal/max	Bar	(Nm)		14 / 21	14 / 21
	Cable	(Nm)		-	-
Width		(mm)		52	52
Length		(mm)		250	-
Height mounted on TH35/7,5		(mm)		89	-
Height mounted on TH35/15		(mm)		96	-
Height mounted on G32		(mm)		93	-
Height panel mount		(mm)		-	84
Length panel mount		(mm)		-	250
Fixing distance between centres		(mm)		-	172
Insulation material temperature index (EN 60216-1)		(°C)		130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)			PFX/240/... (cod. PX24...)	PFX/240/... (cod. PX24...)
	Rated current	(A)		-	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



CESI 13 ATEX 038 U
I M2 Ex e I Mb
II 2 G Ex e IIC Gb

IECEx CES 13.0012U
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details

BEIGE VERSION			CODE TYPE	**GP200** **GPM.95/BC**	**GP210** **GPM.95/BC/FIX**
GREY VERSION			CODE TYPE	**GP200GR** **GPM.95/BC/GR**	**GP210GR** **GPM.95/BC/FIX/GR**
TECHNICAL CHARACTERISTICS				□—●—□	□—●—□
Function/type				feed-through	feed-through
Rated cross-section		(mm²)		95	95
Connecting capacity	Flexible	(mm²)		35 ÷ 95	35 ÷ 95
	Rigid	(mm²)		25 ÷ 120	25 ÷ 120
Bars and/or cable lugs	Maximum width / bolt	(mm)		22 / M8	22 / M8
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		1000	1000
	Max current with rated cross-section	(A)		232	232
	Max current with Max cross-section	(A)		320	320
	Section	Caliber		B12	B12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)		630	630
	Max current with rated cross-section	(A)		232	232
	Operating Temperature	(°C)		-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3	12 KV / 3
Insulation stripping length		(mm)		35	35
Tightening torque nominal/max	Bar	(Nm)		6 / 9	6 / 9
	Cable	(Nm)		6 / 9	6 / 9
Width		(mm)		32	32
Length		(mm)		158	-
Height mounted on TH35/7,5		(mm)		113	-
Height mounted on TH35/15		(mm)		120	-
Height mounted on G32		(mm)		117	-
Height panel mount		(mm)		-	108
Length panel mount		(mm)		-	175
Fixing distance between centres		(mm)		-	158
Insulation material temperature index (EN 60216-1)		(°C)		130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)			POF/95/... (cod. PO95...)	POF/95/... (cod. PO95...)
	Rated current	(A)		-	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection

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I M2 Ex e I Mb
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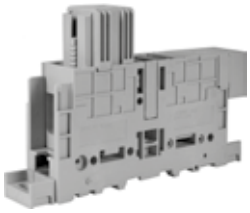
Ex e I Mb
Ex e IIC Gb

(1) See chapter accessories for more details



BEIGE VERSION	CODE TYPE	GP500 GPM.150/BC	GP510 GPM.150/BC/FIX
GREY VERSION	CODE TYPE	GP500GR GPM.150/BC/GR	GP510GR GPM.150/BC/FIX/GR

TECHNICAL CHARACTERISTICS

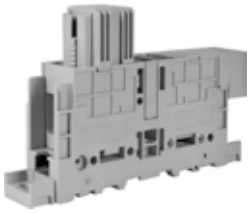
Function/type			feed-through	feed-through
Rated cross-section		(mm²)	150	150
Connecting capacity	Flexible	(mm²)	50 ÷ 150	50 ÷ 150
	Rigid	(mm²)	35 ÷ 185	35 ÷ 185
Bars and/or cable lugs	Maximum width / bolt	(mm)	32 / M10	32 / M10
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000
	Max current with rated cross-section	(A)	309	309
	Max current with Max cross-section	(A)	440	440
	Section	Caliber	B14	B14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	1000	1000
	Max current with rated cross-section	(A)	309	309
	Operating Temperature	(°C)	-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	35	35
Tightening torque nominal/max	Bar	(Nm)	10 / 15	10 / 15
	Cable	(Nm)	10 / 15	10 / 15
Width		(mm)	42	42
Length		(mm)	170	-
Height mounted on TH35/7,5		(mm)	134	-
Height mounted on TH35/15		(mm)	141	-
Height mounted on G32		(mm)	138	-
Height panel mount		(mm)	-	129
Length panel mount		(mm)	-	187
Fixing distance between centres		(mm)	-	158
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0

APPROVALS

ACCESSORIES

Permanent cross connection	(1)		PFX/150/... (cod. PX15...)	PFX/150/... (cod. PX15...)
	Rated current	(A)	-	-
Mounting rail support	flat for PR/DIN e PR/3		ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3		ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



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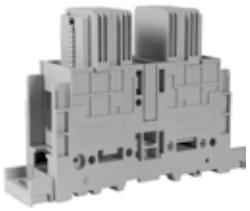
(1) See chapter accessories for more details

BEIGE VERSION			CODE TYPE	**GP800** **GPM.240/BC**	**GP810** **GPM.240/BC/FIX**
GREY VERSION			CODE TYPE	**GP800GR** **GPM.240/BC/GR**	**GP810GR** **GPM.240/BC/FIX/GR**
TECHNICAL CHARACTERISTICS				□—●—□	□—●—□
Function/type				feed-through	feed-through
Rated cross-section		(mm²)		240	240
Connecting capacity	Flexible	(mm²)		95 ÷ 240	95 ÷ 240
	Rigid	(mm²)		50 ÷ 300	50 ÷ 300
Bars and/or cable lugs	Maximum width / bolt	(mm)		40 / M12	40 / M12
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		1000	1000
	Max current with rated cross-section	(A)		415	415
	Max current with Max cross-section	(A)		600	600
	Section	Caliber		B16	B16
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)		1000	1000
	Max current with rated cross-section	(A)		415	415
	Operating Temperature	(°C)		-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3	12 KV / 3
Insulation stripping length		(mm)		43	43
Tightening torque nominal/max	Bar	(Nm)		14 / 21	14 / 21
	Cable	(Nm)		14 / 21	14 / 21
Width		(mm)		52	52
Length		(mm)		202	-
Height mounted on TH35/7,5		(mm)		150	-
Height mounted on TH35/15		(mm)		157	-
Height mounted on G32		(mm)		154	-
Height panel mount		(mm)		-	144
Length panel mount		(mm)		-	219
Fixing distance between centres		(mm)		-	172
Insulation material temperature index (EN 60216-1)		(°C)		130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)			PFX/240/... (cod. PX24...)	PFX/240/... (cod. PX24...)
	Rated current	(A)		-	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



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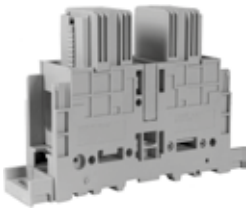
(1) See chapter accessories for more details

BEIGE VERSION			CODE TYPE	**GP300** GPM.95/CC	**GP310** GPM.95/CC/FIX
GREY VERSION			CODE TYPE	**GP300GR** GPM.95/CC/GR	**GP310GR** GPM.95/CC/FIX/GR
TECHNICAL CHARACTERISTICS					
Function/type				feed-through	feed-through
Rated cross-section			(mm²)	95	95
Connecting capacity	Flexible		(mm²)	35 ÷ 95	35 ÷ 95
	Rigid		(mm²)	25 ÷ 120	25 ÷ 120
Bars and/or cable lugs	Maximum width / bolt		(mm)	-	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	1000	1000
	Max current with rated cross-section		(A)	232	232
	Max current with Max cross-section		(A)	320	320
	Section		Caliber	B12	B12
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	630	630
	Max current with rated cross-section		(A)	232	232
	Operating Temperature		(°C)	-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3	12 KV / 3
Insulation stripping length			(mm)	35	35
Tightening torque nominal/max	Bar		(Nm)	-	-
	Cable		(Nm)	6 / 9	6 / 9
Width			(mm)	32	32
Length			(mm)	140	-
Height mounted on TH35/7,5			(mm)	113	-
Height mounted on TH35/15			(mm)	120	-
Height mounted on G32			(mm)	117	-
Height panel mount			(mm)	-	108
Length panel mount			(mm)	-	173
Fixing distance between centres			(mm)	-	158
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)			POF/95/... (cod. PO95...)	POF/95/... (cod. PO95...)
	Rated current		(A)	-	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



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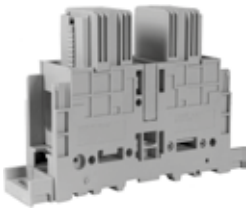
(1) See chapter accessories for more details

BEIGE VERSION			**CODE**	**GP600**
			TYPE	**GPM.150/CC**
GREY VERSION			**CODE**	**GP600GR**
			TYPE	**GPM.150/CC/GR**
TECHNICAL CHARACTERISTICS				
Function/type				feed-through
Rated cross-section			(mm²)	150
Connecting capacity	Flexible		(mm²)	50 ÷ 150
	Rigid		(mm²)	35 ÷ 185
Bars and/or cable lugs	Maximum width / bolt		(mm)	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	1000
	Max current with rated cross-section		(A)	309
	Max current with Max cross-section		(A)	440
	Section		Caliber	B14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	1000
	Max current with rated cross-section		(A)	309
	Operating Temperature		(°C)	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3
Insulation stripping length			(mm)	35
Tightening torque nominal/max	Bar		(Nm)	-
	Cable		(Nm)	10 / 15
Width			(mm)	42
Length			(mm)	140
Height mounted on TH35/7,5			(mm)	134
Height mounted on TH35/15			(mm)	141
Height mounted on G32			(mm)	138
Height panel mount			(mm)	-
Length panel mount			(mm)	-
Fixing distance between centres			(mm)	-
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Permanent cross connection	(1)			PFX/150/... (cod. PX15...)
	Rated current		(A)	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)

BEIGE VERSION			**CODE**	**GP610**
			TYPE	**GPM.150/CC/FIX**
GREY VERSION			**CODE**	**GP610GR**
			TYPE	**GPM.150/CC/FIX/GR**
TECHNICAL CHARACTERISTICS				
Function/type				feed-through
Rated cross-section			(mm²)	150
Connecting capacity	Flexible		(mm²)	50 ÷ 150
	Rigid		(mm²)	35 ÷ 185
Bars and/or cable lugs	Maximum width / bolt		(mm)	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	1000
	Max current with rated cross-section		(A)	309
	Max current with Max cross-section		(A)	440
	Section		Caliber	B14
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	1000
	Max current with rated cross-section		(A)	309
	Operating Temperature		(°C)	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				12 KV / 3
Insulation stripping length			(mm)	35
Tightening torque nominal/max	Bar		(Nm)	-
	Cable		(Nm)	10 / 15
Width			(mm)	42
Length			(mm)	-
Height mounted on TH35/7,5			(mm)	-
Height mounted on TH35/15			(mm)	-
Height mounted on G32			(mm)	-
Height panel mount			(mm)	129
Length panel mount			(mm)	173
Fixing distance between centres			(mm)	158
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Permanent cross connection	(1)			PFX/150/... (cod. PX15...)
	Rated current		(A)	-
Mounting rail support	flat for PR/DIN e PR/3			ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3			ACI121024 (cod. Z121024)
Marking tag				CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



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(1) See chapter accessories for more details

BEIGE VERSION		CODE TYPE	GP900 GPM.240/CC	GP910 GPM.240/CC/FIX
GREY VERSION		CODE TYPE	**GP900GR** GPM.240/CC/GR	**GP910GR** GPM.240/CC/FIX/GR
TECHNICAL CHARACTERISTICS				
Function/type			feed-through	feed-through
Rated cross-section		(mm²)	240	240
Connecting capacity	Flexible	(mm²)	95 ÷ 240	95 ÷ 240
	Rigid	(mm²)	50 ÷ 300	50 ÷ 300
Bars and/or cable lugs	Maximum width / bolt	(mm)	-	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000
	Max current with rated cross-section	(A)	415	415
	Max current with Max cross-section	(A)	600	600
	Section	Caliber	B16	B16
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	1000	1000
	Max current with rated cross-section	(A)	415	415
	Operating Temperature	(°C)	-40 ÷ +80	-40 ÷ +80
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	43	43
Tightening torque nominal/max	Bar	(Nm)	-	-
	Cable	(Nm)	14 / 21	14 / 21
Width		(mm)	52	52
Length		(mm)	154	-
Height mounted on TH35/7,5		(mm)	150	-
Height mounted on TH35/15		(mm)	157	-
Height mounted on G32		(mm)	154	-
Height panel mount		(mm)	-	144
Length panel mount		(mm)	-	187
Fixing distance between centres		(mm)	-	172
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Permanent cross connection	(1)		PFX/240/... (cod. PX24...)	PFX/240/... (cod. PX24...)
	Rated current	(A)	-	-
Mounting rail support	flat for PR/DIN e PR/3		ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3		ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

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- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



(1) See chapter accessories for more details

BEIGE VERSION WITH COVER		**CODE**	**GP125**	**GP135**	**GP425**
		TYPE	**GPM.95/C/BB**	**GPM.95/C/BB/FIX**	**GPM.150/C/BB**
BEIGE VERSION WITHOUT COVER		**CODE**	**GP120**	**GP130**	**GP420**
		TYPE	**GPM.95/O/BB**	**GPM.95/O/BB/FIX**	**GPM.150/O/BB**
TECHNICAL CHARACTERISTICS					
Function/type			feed-through	feed-through	feed-through
Rated cross-section		(mm²)	95	95	150
Connecting capacity	Flexible	(mm²)	-	-	-
	Rigid	(mm²)	-	-	-
Bars and/or cable lugs	Maximum width / bolt	(mm)	22 / M8	22 / M8	32 / M10
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000	1000
	Max current with rated cross-section	(A)	232	232	309
	Max current with Max cross-section	(A)	248	248	365
	Section	Caliber	-	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Operating Temperature	(°C)	-	-	-
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	-	-	-
Tightening torque nominal/max	Bar	(Nm)	6 / 9	6 / 9	10 / 15
	Cable	(Nm)	-	-	-
Width		(mm)	32	32	42
Length		(mm)	176	-	200
Height mounted on TH35/7,5		(mm)	81	-	81
Height mounted on TH35/15		(mm)	88	-	88
Height mounted on G32		(mm)	85	-	85
Height panel mount		(mm)	-	76	-
Length panel mount		(mm)	-	176	-
Fixing distance between centres		(mm)	-	158	-
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)		POF/95/... (cod. PO95...)	POF/95/... (cod. PO95...)	PFX/150/... (cod. PX15...)
	Rated current	(A)	-	-	-
Mounting rail support	flat for PR/DIN e PR/3		ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3		ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection



(1) See chapter accessories for more details

BEIGE VERSION WITH COVER		**CODE**	**GP435**	**GP725**	**GP735**
		TYPE	**GPM.150/C/BB/FIX**	**GPM.240/C/BB**	**GPM.240/C/BB/FIX**
BEIGE VERSION WITHOUT COVER		**CODE**	**GP430**	**GP720**	**GP730**
		TYPE	**GPM.150/O/BB/FIX**	**GPM.240/O/BB**	**GPM.240/O/BB/FIX**
TECHNICAL CHARACTERISTICS					
Function/type			feed-through	feed-through	feed-through
Rated cross-section		(mm²)	150	240	240
Connecting capacity	Flexible	(mm²)	-	-	-
	Rigid	(mm²)	-	-	-
Bars and/or cable lugs	Maximum width / bolt	(mm)	32 / M10	40 / M12	40 / M12
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000	1000
	Max current with rated cross-section	(A)	309	415	415
	Max current with Max cross-section	(A)	365	530	530
	Section	Caliber	-	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	-	-	-
	Max current with rated cross-section	(A)	-	-	-
	Operating Temperature	(°C)	-	-	-
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	-	-	-
Tightening torque nominal/max	Bar	(Nm)	10 / 15	14 / 21	14 / 21
	Cable	(Nm)	-	-	-
Width		(mm)	42	52	52
Length		(mm)	-	250	-
Height mounted on TH35/7,5		(mm)	-	89	-
Height mounted on TH35/15		(mm)	-	96	-
Height mounted on G32		(mm)	-	93	-
Height panel mount		(mm)	76	-	84
Length panel mount		(mm)	200	-	250
Fixing distance between centres		(mm)	158	-	172
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
Permanent cross connection	(1)		PFX/150/... (cod. PX15...)	PFX/240/... (cod. PX24...)	PFX/240/... (cod. PX24...)
	Rated current	(A)	-	-	-
Mounting rail support	flat for PR/DIN e PR/3		ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)	ACI121213 (cod. Z121213)
	sloped for PR/DIN e PR/3		ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)	ACI121024 (cod. Z121024)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)

HIGH CURRENT TERMINAL BLOCKS

• bar - bar terminal blocks

Due to the non-standardized thickness of the terminals,
for the use of the conductors of the smaller connectable sections,
it may be necessary to introduce a washer under the screw head.

BEIGE VERSION			AC100 ACB.70/BB	AC400 ACB.120/BB	AC700 ACB.185/BB
TECHNICAL CHARACTERISTICS					
Function/type			feed-through	feed-through	feed-through
Rated cross-section		(mm²)	70	120	185
Connecting capacity	Flexible	(mm²)	10 ÷ 120	25 ÷ 185	25 ÷ 185
	Rigid	(mm²)	6 ÷ 120	25 ÷ 185	25 ÷ 185
Bars and/or cable lugs	Maximum width / bolt	(mm)	25 / M6	25 / M8	25 / M12
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800	800
	Max current with rated cross-section	(A)	192	269	353
	Section	Caliber	-	-	-
Rated impulse withstand voltage/pollution degree			8 KV / 3	8 KV / 3	8 KV / 3
Tightening torque nominal/max		(Nm)	3 (key 10 mm)	6 (key 13 mm)	14 (key 19 mm)
Width		(mm)	35	35	35
Length		(mm)	90	100	120
Height mounted on TH35/7,5		(mm)	-	-	-
Height mounted on TH35/15		(mm)	-	-	-
Height mounted on G32		(mm)	45	46	47
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS			KEMA KEUR	KEMA KEUR	KEMA KEUR
ACCESSORIES					
Safety cover			PRT/P (cod. PRT01)	PRT/P (cod. PRT01)	PRT/P (cod. PRT01)
			PRT/G (cod. PRT03)	PRT/G (cod. PRT03)	PRT/G (cod. PRT03)
Cover support			SPS/1 (cod. SPS01)	SPS/1 (cod. SPS01)	SPS/1 (cod. SPS01)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)

Protection: ACB terminal blocks can be protected against direct and/or accidental contacts by means of specific **PRT** covers of different sizes: Small, Medium or Large in transparent and self-extinguishing material. These covers, with a fixed length of 200 mm, correspond to the width of four terminal blocks side-by-side and inserted on **SPS** supports, also made of self-extinguishing material, which enable the protection of one of the two connections of the terminal blocks; the complete protection of the terminal board is obtained using two covers, overlappable.

PRT/P+SPS/1	PRT/P+SPS/3
for ACB.70/BB, ACB.120/BB, BCA.70 and BCA 120 terminal blocks	for ACB.185/BB, BCA.70 and BCA 120 terminal blocks

The **PRT/G** is to be used when the conductors come from the backboard, or in order to protect a connection point not yet connected.

HIGH CURRENT TERMINAL BLOCKS

• bar - bar terminal blocks

Due to the non-standardized thickness of the terminals,
for the use of the conductors of the smaller connectable sections,
it may be necessary to introduce a washer under the screw head.

BEIGE VERSION			BC100 BCA.70/BB	BC400 BCA.120/BB
TECHNICAL CHARACTERISTICS				
Function/type			feed-through	feed-through
Rated cross-section		(mm²)	70	120
Connecting capacity	Flexible	(mm²)	10 ÷ 120	25 ÷ 185
	Rigid	(mm²)	6 ÷ 120	25 ÷ 185
Bars and/or cable lugs	Maximum width / bolt	(mm)	25 / M6	25 / M8
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800
	Max current with rated cross-section	(A)	192	269
	Section	Caliber	-	-
Rated impulse withstand voltage/pollution degree			3kV / 3	3kV / 3
Tightening torque nominal/max		(Nm)	3 (key 10 mm)	6 (key 13 mm)
Width		(mm)	35	35
Length		(mm)	90	100
Height mounted on G32		(mm)	41	42
Height mounted on TH35/7,5		(mm)	49	50
Height mounted on TH35/15		(mm)	-	-
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS			KEMA KEUR	KEMA KEUR
ACCESSORIES				
Safety cover			PRT/P (cod. PRT01)	PRT/P (cod. PRT01)
			PRT/G (cod. PRT03)	PRT/G (cod. PRT03)
Cover support			SPS/1 (cod. SPS01)	SPS/1 (cod. SPS01)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32		BTU (cod. BT005)	BTU (cod. BT005)

• stud connection, for cable lugs

BEIGE VERSION			MB100 MBL.50/6	MB200 MBL.95/8
TECHNICAL CHARACTERISTICS				
Function/type			for cable lugs	for cable lugs
Rated cross-section		(mm²)	50	95
Connecting capacity	Flexible	(mm²)	30 ÷ 50	30 ÷ 95
	Rigid	(mm²)	30 ÷ 70	30 ÷ 120
Stud diameter / key / locking bolt wrench			M6 / 10mm / 19mm	M8 / 13mm / 19mm
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800
	Max current with rated cross-section	(A)	150	232
	Section	Caliber	-	-
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	150	200
	Section Min - Max	(AWG)	-	-
Rated impulse withstand voltage/pollution degree			8kV / 3	8 kV / 3
Maximumconnectable width		(mm)	30	30
Max lug overlapping connection height		(mm)	15.3	13
Tightening torque		(Nm)	3	6
Width		(mm)	35	35
Length		(mm)	40	40
Height mounted on G32		(mm)	79	79
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS			Terna cULus	Terna cULus
ACCESSORIES				
Partition			DUS/1 (cod. DUS01)	DUS/1 (cod. DUS01)
Cover support			SPS/5 (cod. SPS05)	SPS/5 (cod. SPS05)
Safety cover			PRT/P (cod. PRT01)	PRT/P (cod. PRT01)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32		BTU (cod. BT005)	BTU (cod. BT005)

Stud terminal blocks for the terminal wire or bar strain clamp with max. width 30 mm, to be mounted on PR/DIN mounting rail. It is advisable to use **DUS/1** or **DUS/3** barriers to guarantee the insulation distance between different phases.

If accident prevention cover of the terminal board becomes necessary, the insulation function would be performed by the **SPS/5** supports of the cover itself.

• stud connection, for cable lugs

BEIGE VERSION			MB300 MBL.120/10	MB400 MBL.150/12
TECHNICAL CHARACTERISTICS				
Function/type			for cable lugs	for cable lugs
Rated cross-section		(mm²)	120	150
Connecting capacity	Flexible	(mm²)	30 ÷ 120	30 ÷ 150
	Rigid	(mm²)	30 ÷ 150	30 ÷ 185
Stud diameter / key / locking bolt wrench			M10 / 17mm / 19mm	M12 / 19mm / 19mm
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800
	Max current with rated cross-section	(A)	269	309
	Section	Caliber	-	-
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	230	285
	Section Min - Max	(AWG)	-	-
Rated impulse withstand voltage/pollution degree			8 kV / 3	8 kV / 3
Maximumconnectable width		(mm)	30	30
Max lug overlapping connection height		(mm)	13	15.8
Tightening torque		(Nm)	10	14
Width		(mm)	35	35
Length		(mm)	40	40
Height mounted on G32		(mm)	90	90
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS			Terna c UL us	Terna c UL us
ACCESSORIES				
Partition			DUS/3 (cod. DUS03)	DUS/3 (cod. DUS03)
Cover support			SPS/5 (cod. SPS05)	SPS/5 (cod. SPS05)
Safety cover			PRT/P (cod. PRT01)	PRT/P (cod. PRT01)
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32		BTU (cod. BT005)	BTU (cod. BT005)

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YELLOW/GREEN VERSION			CODE TYPE	TO910 TE0.2	CE110 CBE.2	TO430 TE0.4
TECHNICAL CHARACTERISTICS						
Function/type				Earth terminal block	Earth terminal block	Earth terminal block
Rated cross-section			(mm²)	2.5	2.5	4
Connecting capacity	Flexible		(mm²)	0.2 – 4	0.2 – 4	0.2 – 6
	Rigid		(mm²)	0.2 – 4	0.2 – 4	0.2 – 6
	Max. flexible with ferrule - ferrule type		(mm²)	2.5 - WP25/14	2.5 - WP25/14	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	A3	A3	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	20 - 14	20 - 14	20 – 12
	Tightening torque		(lb.in)	5.5	5.5	5.5
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	24	-	32
	Operating Temperature		(°C)	-40 ÷ +110	-	-40 ÷ +110
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	12	8	14
Tightening torque value Nominal / Max			(Nm)	0.4 / 0.8	0.4 / 0.5	0.5 / 1.2
Length			(mm)	50	50	50
Width			(mm)	5.5	5	6.5
Height mounted on TH35/7.5			(mm)	47	52	52
Height mounted on TH35/15			(mm)	55	60	60
Height mounted on G32			(mm)	-	56	-
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	green			TE0.2/PT (cod. TO911)	CBR/PT (cod. CR111)	TE0.4/PT (cod. TO431)
Numbering strip				-	CNU/08/51 (cod. NU0851S)	-
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32			-	BT/DIN/PO (cod. BT001)	-

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232

EARTH TERMINAL BLOCKS

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YELLOW/GREEN VERSION			CODE TYPE	TE400 TED.4	TO110 TE.6/O	TO500 TE.10/O
TECHNICAL CHARACTERISTICS						
Function/type				Earth terminal block	Earth terminal block	Earth terminal block
Rated cross-section			(mm²)	4	6	10
Connecting capacity	Flexible		(mm²)	0.2 – 6	0.5 – 10	0.5 – 16
	Rigid		(mm²)	0.2 – 6	0.5 – 10	0.5 – 16
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16	6 - WP60/20	10 - WP100/21
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	A4	A5	B6
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	20 – 12	20 - 8	20 - 8
	Tightening torque		(lb.in)	5.5	13.3	13.3
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	41	57
	Operating Temperature		(°C)	-40 ÷ +80	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	10	12	13
Tightening torque value Nominal / Max			(Nm)	0.5 / 1.2	0.8 / 1.4	1.2 / 1.9
Length			(mm)	50	47	47
Width			(mm)	6.5	8	10
Height mounted on TH35/7.5			(mm)	-	52	55
Height mounted on TH35/15			(mm)	-	60	63
Height mounted on G32			(mm)	56	-	-
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	green			TE0.4/PT (cod. TO431)	-	-
Numbering strip				-	-	-
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32			BT/DIN/PO (cod. BT001)	-	-

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232

EARTH TERMINAL BLOCKS

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YELLOW/GREEN VERSION			CODE TYPE	TO210 TE.16/O	TO310 TE.50/O	TE110 TE.6/D
TECHNICAL CHARACTERISTICS						
Function/type				Earth terminal block	Earth terminal block	Earth terminal block
Rated cross-section			(mm²)	16	50	6
Connecting capacity	Flexible		(mm²)	0.5 – 25	1.5 – 50	0.5 – 10
	Rigid		(mm²)	0.5 – 25	1 – 70	0.5 – 10
	Max. flexible with ferrule - ferrule type		(mm²)	16 - WP160/22	50 - WP500/40	6 - WP60/20
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	B7	B9	A5
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	20 - 3	16 - 1	20 - 8
	Tightening torque		(lb.in)	13.3	33.2	13.3
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	76	150	41
	Operating Temperature		(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	13	17	12
Tightening torque value Nominal / Max			(Nm)	1.8 / 3	2.5 / 5	0.8 / 1.4
Length			(mm)	47	57	42
Width			(mm)	12	18	8
Height mounted on TH35/7.5			(mm)	56	62	-
Height mounted on TH35/15			(mm)	64	70	-
Height mounted on G32			(mm)	-	-	53
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	green			-	-	-
Numbering strip				-	-	-
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32			-	-	BT/DIN/PO (cod. BT001)

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel Copper Aluminium	10 25 16	1.2 3 1.92	- 101 76
G32 type mounting rail IEC 60715/G32	Steel Copper Aluminium	35 120 70	4.2 14.4 8.4	- 269 192
Top hat rail IEC 60715/TH 35 - 7.5	Steel Copper Aluminium	16 50 35	1.92 6 4.2	- 150 125
Top hat rail IEC 60715/TH 35 - 15	Steel Copper Aluminium	50 150 95	6 18 11.4	- 309 232

EARTH TERMINAL BLOCKS

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II 2 G Ex eb IIC Gb

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YELLOW/GREEN VERSION			CODE TYPE	TE500 TE.10/D	TE210 TE.16/D	TE310 TE.50/D
TECHNICAL CHARACTERISTICS						
Function/type				Earth terminal block	Earth terminal block	Earth terminal block
Rated cross-section			(mm²)	10	16	50
Connecting capacity	Flexible		(mm²)	0.5 – 16	0.5 – 25	1.5 – 50
	Rigid		(mm²)	0.5 – 16	0.5 – 25	1 – 70
	Max. flexible with ferrule - ferrule type		(mm²)	10 - WP100/21	16 - WP160/22	50 - WP500/40
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section		Caliber	B6	B7	B9
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Section Min - Max		(AWG)	20 - 8	20 - 3	16 - 1
	Tightening torque		(lb.in)	13.3	13.3	33.2
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	57	76	150
	Operating Temperature		(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree				8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length			(mm)	13	13	17
Tightening torque value Nominal / Max			(Nm)	1.2 / 1.9	1.8 / 3	2.5 / 5
Length			(mm)	44	46.5	57
Width			(mm)	10	12	18
Height mounted on TH35/7.5			(mm)	-	-	-
Height mounted on TH35/15			(mm)	-	-	-
Height mounted on G32			(mm)	56	57.5	63
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	green			-	-	-
Numbering strip				-	-	-
Marking tag				CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 e G32			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
G32 type mounting rail IEC 60715/G32	Steel	35	4.2	-
	Copper	120	14.4	269
	Aluminium	70	8.4	192
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 5.5	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232

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I M2 Ex e I Mb
II 2 G Ex e IIC Gb

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(1) See chapter accessories for more details

GREY VERSION			**CODE**	**DB100GR**
			TYPE	**DBC.2/GR**
BEIGE VERSION			**CODE**	**DB100**
			TYPE	**DBC.2**
BLUE VERSION			**CODE**	**DB200**
			TYPE	**DBC.2 (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type				2 levels
Rated cross-section			(mm²)	2.5
Connecting capacity	Flexible		(mm²)	0.2 – 4
	Rigid		(mm²)	0.2 – 4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5 - WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630
	Max current with rated cross-section		(A)	24
	Section		Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600
	Max current with rated cross-section		(A)	20
	Section Min-Max		(AWG)	28 - 12
	Tightening torque		(lb.in)	8
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	400
	Max current with rated cross-section		(A)	24
	Operating temperature		(°C)	-40 ÷ +80
Rated impulse withstand voltage/pollution degree				8 KV / 3
Insulation stripping length			(mm)	9
tightening torque value Nominal / Max			(Nm)	0.4 / 0.8
Length			(mm)	70
Width			(mm)	5
Height mounted on TH35/7,5			(mm)	66
Height mounted on TH35/15			(mm)	74
Height mounted on G32			(mm)	-
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				Polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			DBC/PT/GR (cod. DB101GR)
	Beige			DBC/PT (cod. DB101)
	Blue			DBC/PT (Ex)i (cod. DB201)
	Thickness		(mm)	1.5
Cross connection	PTC or other versions (1)			PTC/2/... (cod. PTC02...)
	PTP version (1)			PTP/2D/... (cod. PTP02D...)
	Rated current / Rated current ATEX applications		(A)	24 / 21
Cross connection identification strip	green			PTC/SP (cod. PTC0990)
Switchable cross connection				-
Multiple common bar	250 mm			-
Shunting screw and sleeve	standard / Ex e version			-
	internal jumper			-
	internal jumper + external jumper			-
Coloured partition	red			DFU/7/R (cod. DU07R)
Cross connection barried (upper level)	red			DFM/800 (cod. DF800) - DFM/900 (cod. DF900)
Cross connection barried (lower level)	red			DFM/500 (cod. DF500)
Cross connection barrier	red			-
Test plug socket				-
Test plug				-
Modular test plug				-
Numbering strip				CNU/8/51 (cod. NU0851S)
Single marking tag				CNU/8/51 (cod. NU0851S)
				CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks			-
Cover for cross-connection				-
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			-
	Screw G32			-

GREY VERSION	**DB117GR**
	DBC.2/CI/GR
BEIGE VERSION	**DB117**
	DBC.2/CI
BLUE VERSION	
TECHNICAL CHARACTERISTICS	
Function/type	2 levels with internal connection
Rated cross-section	2.5
Connecting capacity	0.2 – 4
	0.2 – 4
	2.5 - WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	630
	24
	A3
Electrical characteristics According to UL	600
	20
	28 - 12
	8
Electrical characteristics According to ATEX directive and IEC ex standard	-
	-
	-
Rated impulse withstand voltage/pollution degree	8 KV / 3
Insulation stripping length	9
tightening torque value Nominal / Max	0.4 / 0.8
Length	70
Width	5
Height mounted on TH35/7,5	66
Height mounted on TH35/15	74
Height mounted on G32	-
Insulation material temperature index (EN 60216-1)	130
Plastic material	Polyamide UL94V-0
APPROVALS	
ACCESSORIES	
End section	DBC/PT/GR (cod. DB101GR)
	DBC/PT (cod. DB101)
	DBC/PT (Ex)i (cod. DB201)
	1.5
Cross connection	PTC/2/... (cod. PTC02...)
	PTP/2D/... (cod. PTP02D...)
	24 / 21
Cross connection identification strip	PTC/SP (cod. PTC0990)
Switchable cross connection	-
Multiple common bar	-
Shunting screw and sleeve	-
	-
	-
Coloured partition	DFU/7/R (cod. DU07R)
Cross connection barried (upper level)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)
Cross connection barried (lower level)	DFM/500 (cod. DF500)
Cross connection barrier	-
Test plug socket	-
Test plug	-
Modular test plug	-
Numbering strip	CNU/8/51 (cod. NU0851S)
Single marking tag	CNU/8/51 (cod. NU0851S)
	CNU/8/51 (cod. NU0851S)
Warning plate	-
Cover for cross-connection	-
End bracket	BTU (cod. BT005)
	BTO (cod. BT007)
	-
	-

IMQ 17 ATEX 001 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx IMQ 17.0001U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION		**CODE**	**DB400GR**	**DB417GR**
		TYPE	**DBC.4/GR**	**DBC.4/CI/GR**
BEIGE VERSION		**CODE**		
		TYPE		
BLUE VERSION		**CODE**	**DB500**	**DB517**
		TYPE	**DBC.4 (EX)I**	**DBC.4/CI (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type			2 levels	2 levels with internal connection
Rated cross-section		(mm²)	4	4
Connecting capacity	Flexible	(mm²)	0.2 – 6	0.2 – 6
	Rigid	(mm²)	0.2 – 6	0.2 – 6
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	630	630
	Max current with rated cross-section	(A)	32	32
	Section	Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	30	30
	Section Min-Max	(AWG)	20 - 10	20 - 10
	Tightening torque	(lb.in)	4.4	4.4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	400	-
	Max current with rated cross-section	(A)	28	-
	Operating temperature	(°C)	-40 ÷ +80	-
Rated impulse withstand voltage/pollution degree			8 KV / 3	8 KV / 3
Insulation stripping length		(mm)	9	9
tightening torque value Nominal / Max		(Nm)	0,5 / 1	0,5 / 1
Length		(mm)	70	70
Width		(mm)	6	6
Height mounted on TH35/7,5		(mm)	66	66
Height mounted on TH35/15		(mm)	74	74
Height mounted on G32		(mm)	-	-
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey		DBC.4/PT/GR (cod. DB401GR)	DBC.4/PT/GR (cod. DB401GR)
	Beige		-	-
	Blue		DBC.4/PT (Ex)i (cod. DB402)	DBC.4/PT (Ex)i (cod. DB402)
	Thickness	(mm)	1.5	1.5
Cross connection	PTC or other versions (1)		PTC/4/... (cod. PTC04...)	PTC/4/... (cod. PTC04...)
	PTP version (1)		PTP/4D/... (cod. PTP04D...)	PTP/4D/... (cod. PTP04D...)
	Rated current / Rated current ATEX applications	(A)	32 / 25	32 / 25
Cross connection identification strip	green		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Switchable cross connection			-	-
Multiple common bar	250 mm		-	-
Shunting screw and sleeve	standard / Ex e version		-	-
	internal jumper		-	-
	internal jumper + external jumper		-	-
Coloured partition	red		DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Cross connection barried (upper level)	red		DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)
Cross connection barried (lower level)	red		DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Cross connection barrier	red		-	-
Test plug socket			-	-
Test plug			-	-
Modular test plug			-	-
Numbering strip			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Single marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks		-	-
Cover for cross-connection			-	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		-	-

CESI 03 ATEX 162 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 11.0007U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION			**CODE**	**DS100GR**
			TYPE	**DAS.4/GR**
BEIGE VERSION			**CODE**	**DS100**
			TYPE	**DAS.4**
BLUE VERSION			**CODE**	**DS200**
			TYPE	**DAS.4 (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type				2 levels
Rated cross-section			(mm²)	4
Connecting capacity	Flexible		(mm²)	0.2 – 6
	Rigid		(mm²)	0.2 – 6
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630
	Max current with rated cross-section		(A)	30
	Section		Caliber	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600
	Max current with rated cross-section		(A)	20
	Section Min-Max		(AWG)	20 - 12
	Tightening torque		(lb.in)	8.9
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	400
	Max current with rated cross-section		(A)	28
	Operating temperature		(°C)	-40 ÷ +110
Rated impulse withstand voltage/pollution degree				8 KV / 3
Insulation stripping length			(mm)	9
tightening torque value Nominal / Max			(Nm)	0.5 / 1.2
Length			(mm)	64
Width			(mm)	6
Height mounted on TH35/7,5			(mm)	62
Height mounted on TH35/15			(mm)	70
Height mounted on G32			(mm)	66
Insulation material temperature index (EN 60216-1)			(°C)	130
Plastic material				Polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)
	Blue			DAS/PT (Ex)i (cod. DS201)
	Thickness		(mm)	1.5
Cross connection	PTC or other versions (1)			PM/.../... (cod. PM...)
	PTP version (1)			-
	Rated current / Rated current ATEX applications		(A)	30 / -
Cross connection identification strip	green			-
Switchable cross connection				POS/43 (cod.POS43)
Multiple common bar	250 mm			PMP/58 (cod.PMP58)
Shunting screw and sleeve	standard / Ex e version			CPM/01 (cod. CPM01) - CPX/01 (cod. CPX01)
	internal jumper			DAS/VCI (cod. DS107)
	internal jumper + external jumper			DAS/VCE (cod. DS108)
Coloured partition	red			DFU/7/R (cod. DU07R)
Cross connection barried (upper level)	red			-
Cross connection barried (lower level)	red			-
Cross connection barrier	red			-
Test plug socket				PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)
Modular test plug				-
Numbering strip				CNU/8/61 (cod. NU0861S)
Single marking tag				CNU/8/61 (cod. NU0861S)
				-
Warning plate	on adjacent terminal blocks			-
Cover for cross-connection				PRP/5 (cod. PRP05)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)

GREY VERSION	**DS117GR**
	DAS.4/CI/GR
BEIGE VERSION	**DS117**
	DAS.4/CI
BLUE VERSION	**DS217**
	DAS.4/CI (EX)I
	2 levels with internal jumper mounted
	4
	0.2 – 6
	0.2 – 6
	4 - WP40/16
	630
	30
	A4
	600
	20
	20 - 12
	8.9
	-
	-
	-
	8 KV / 3
	9
	0.5 / 1.2
	64
	6
	62
	70
	66
	130
	Polyamide UL94V-0
	DAS/PT/GR (cod. DS101GR)
	DAS/PT (cod. DS101)
	DAS/PT (Ex)i (cod. DS201)
	1.5
	PM/.../... (cod. PM...)
	-
	30 / -
	-
	POS/43 (cod.POS43)
	PMP/58 (cod.PMP58)
	CPM/01 (cod. CPM01) - CPX/01 (cod. CPX01)
	-
	DAS/VCE (cod. DS108)
	DFU/7/R (cod. DU07R)
	-
	-
	-
	PSD/A (cod. PD001)
	SDD/1 (cod. DD001)
	-
	CNU/8/61 (cod. NU0861S)
	CNU/8/61 (cod. NU0861S)
	-
	-
	PRP/5 (cod. PRP05)
	BTU (cod. BT005)
	BTO (cod. BT007)
	BT/3 (cod. BT003)
	BT/DIN/PO (cod. BT001)

TWO LEVELS TERMINAL BLOCKS

AVAILABLE UNTIL STOCKS LAST

(1) See chapter accessories for more details

GREY VERSION			**DS110GR**	**DS400GR**
		CODE		
		TYPE	**DAS.4/SS/GR**	**DSS.4/GR**
BEIGE VERSION			**DS110**	**DS400**
		CODE		
		TYPE	**DAS.4/SS**	**DSS.4**
BLUE VERSION				
		CODE		
		TYPE		
TECHNICAL CHARACTERISTICS				
Function/type			2 levels with solder lugs	2 levels disconnect
Rated cross-section		(mm²)	4	4
Connecting capacity	Flexible	(mm²)	0.2 – 6	0.2 – 6
	Rigid	(mm²)	0.2 – 6	0.2 – 6
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	320-500	400
	Max current with rated cross-section	(A)	20	24 upper level /32 lower level
	Section	Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	-	300
	Max current with rated cross-section	(A)	-	24 upper level /32 lower level
	Section Min-Max	(AWG)	-	26 - 10
	Tightening torque	(lb.in)	-	4.4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	-	-
	Max current with rated cross-section	(A)	-	-
	Operating temperature	(°C)	-	-
Rated impulse withstand voltage/pollution degree			4 KV / 3	6 KV / 3
Insulation stripping length		(mm)	9	9
tightening torque value Nominal / Max		(Nm)	0.5 / 1.2	0.5 / 1.2
Length		(mm)	80	78
Width		(mm)	6	6
Height mounted on TH35/7,5		(mm)	62	62
Height mounted on TH35/15		(mm)	70	70
Height mounted on G32		(mm)	66	66
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey		DAS/PT/GR (cod. DS101GR)	DSS/PT/GR (cod. DS301GR)
	Beige		DAS/PT (cod. DS101)	DSS/PT (cod. DS301)
	Blue		-	-
	Thickness	(mm)	1.5	1.5
Cross connection	PTC or other versions (1)		PM/.../... (cod. PM...)	PTC/4/... (cod. PTC04...)
	PTP version (1)		-	PTP/4/... (cod. PTP04...)
	Rated current / Rated current ATEX applications	(A)	32 / -	32 / -
Cross connection identification strip	green		-	PTC/SP (cod. PTC0990)
Switchable cross connection			POS/43 (cod.POS43)	-
Multiple common bar	250 mm		PMP/58 (cod.PMP58)	-
Shunting screw and sleeve	standard / Ex e version		CPM/01 (cod. CPM01) - CPX/01 (cod. CPX01)	-
	internal jumper		-	-
	internal jumper + external jumper		-	-
Coloured partition	red		DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Cross connection barried (upper level)	red		-	DFM/500 (cod. DF500)
Cross connection barried (lower level)	red		-	-
Cross connection barrier	red		-	-
Test plug socket			PSD/A (cod. PD001)	-
Test plug			SDD/1 (cod. DD001)	-
Modular test plug			-	-
Numbering strip			CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)
Single marking tag			CNU/8/61 (cod. NU0861S)	CNU/8/51 (cod. NU0851S)
			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks		-	-
Cover for cross-connection			PRP/5 (cod. PRP05)	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TWO LEVELS TERMINAL BLOCKS

cabur

(1) See chapter accessories for more details

GREY VERSION	**CODE**	**FV100GR**	**FF100GR**
	TYPE	**FVS.4/GR**	**FFS.4/GR**
BEIGE VERSION	**CODE**	**FV100**	**FF100**
	TYPE	**FVS.4**	**FFS.4**
BLUE VERSION	**CODE**		
	TYPE		

TECHNICAL CHARACTERISTICS

Function/type			2 levels with special connections	2 levels with special connections
Rated cross-section		(mm²)	4	4
Connecting capacity	Flexible	(mm²)	0.2 – 6	0.2 – 6
	Rigid	(mm²)	0.2 – 6	0.2 – 6
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	320	320
	Max current with rated cross-section	(A)	20	20
	Section	Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	20	20
	Section Min-Max	(AWG)	20 - 10	20 - 10
	Tightening torque	(lb.in)	8.9	8.9
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	-	-
	Max current with rated cross-section	(A)	-	-
	Operating temperature	(°C)	-	-
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	12	12
tightening torque value Nominal / Max		(Nm)	0.5 / 1.2	0.5 / 1.2
Length		(mm)	64	64
Width		(mm)	6.5	6.5
Height mounted on TH35/7,5		(mm)	69	69
Height mounted on TH35/15		(mm)	77	77
Height mounted on G32		(mm)	73	73
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94V-0	Polyamide UL94V-0

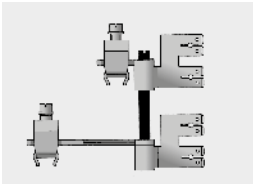
APPROVALS

ACCESSORIES

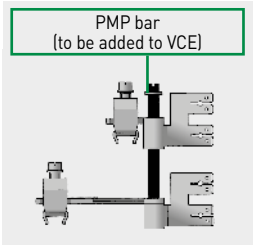
End section	Grey		FVS/PT/GR (cod. FV101GR)	FFS/PT/GR (cod. FF101GR)
	Beige		FVS/PT (cod. FV101)	FFS/PT (cod. FF101)
	Blue		-	-
	Thickness	(mm)	1.5	1.5
Cross connection	PTC or other versions (1)		PM/41/... (COD. PM41...)	PM/41/... (COD. PM41...)
	PTP version (1)		-	-
	Rated current / Rated current ATEX applications	(A)	32 / -	32 / -
Cross connection identification strip	green		-	-
Switchable cross connection			POS/72 (cod. POS72)	POS/72 (cod. POS72)
Multiple common bar	250 mm		PMP/42 (cod. PMP42)	PMP/42 (cod. PMP42)
Shunting screw and sleeve	standard / Ex e version		CPM/01 (cod. CPM01) - CPX/01 (cod. CPX01)	CPM/01 (cod. CPM01) - CPX/01 (cod. CPX01)
	internal jumper		FVS/VCI (cod. FV107)	-
	internal jumper + external jumper		FVS/VCE (cod. FV108)	-
Coloured partition	red		DFU/6/R (cod. DU06R)	-
Cross connection barried (upper level)	red		-	-
Cross connection barried (lower level)	red		-	-
Cross connection barrier	red		-	-
Test plug socket			PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug			-	-
Numbering strip			CNU/8/61 (cod. NU0861S)	CNU/8/61 (cod. NU0861S)
Single marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks		-	-
Cover for cross-connection			PRP/6 (cod. PRP06)	PRP/6 (cod. PRP06)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

FVS/VCI - Cat. No. FV107
Shunting screws and sleeves for internal connection between the front and rear conducting bodies of terminal block type FVS.4

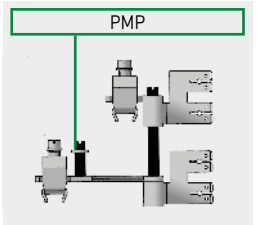
FVS/VCE - Code FV108
Screw and sleeve which, besides the internal connection, creates, using the PMP common bar, parallel between contiguous terminal blocks



VCI
internal cross connection



VCE
internal +
front adjoining cross-connection



VCI + PM
internal parallel +
rear adjoining cross connection

THREE LEVELS TERMINAL BLOCKS FOR SENSORS

cabur

- with LOCK system

(1) See chapter accessories for more details
(2) A special version with green LED is available. TLS.2/T (cod. TL120) with green LED between upper and intermediate levels. TLS.2/U (cod. TL110) with green LED between upper and lower levels.

GREY VERSION		**CODE**	**TL100GR**
		TYPE	**TLS.2/GR**
BEIGE VERSION		**CODE**	**TL100**
		TYPE	**TLS.2**
BLUE VERSION		**CODE**	
		TYPE	

TECHNICAL CHARACTERISTICS

Function/type			three level - for sensors
Rated cross-section		(mm²)	2.5
Connecting capacity	Flexible	(mm²)	0.2 – 4
	Rigid	(mm²)	0.2 – 4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5 - WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	250
	Max current with rated cross-section	(A)	24
	Section	Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	15
	Section Min-Max	(AWG)	20-12
	Tightening torque	(lb.in)	3.5
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage	(V)	-
	Max current with rated cross-section	(A)	-
	Operating temperature	(°C)	-
Rated impulse withstand voltage/pollution degree			4 KV / 3
Insulation stripping length		(mm)	8
tightening torque value Nominal / Max		(Nm)	0.4 / 0.8
Length		(mm)	62.5
Width		(mm)	6.2
Height mounted on TH35/7,5		(mm)	52
Height mounted on TH35/15		(mm)	60
Height mounted on G32		(mm)	-
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			Polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		TLS/PT/GR (cod. TL101GR)
	Beige		TLS/PT (cod. TL101)
	Blue		-
	Thickness	(mm)	1.5
Cross connection	PTC or other versions (1)		PM/.../... (cod. PM...)
	PTP version (1)		-
	Rated current / Rated current ATEX applications	(A)	24 / -
Cross connection identification strip	green		-
Switchable cross connection			POS/41 (cod. POS41)
Multiple common bar	250 mm		PMP/02 (cod. PMP02)
Shunting screw and sleeve	standard / Ex e version		CPM/21 (cod. CPM21) / -
	internal jumper		-
	internal jumper + external jumper		-
Coloured partition	red		DFU/3/R (cod. DU03R)
Cross connection barried (upper level)	red		-
Cross connection barried (lower level)	red		-
Cross connection barrier	red		DFM/400 (cod. DF400)
Test plug socket			PSD/A (cod. PD001)
Test plug			SDD/1 (cod. DD001)
Modular test plug			-
Numbering strip			CNU/8/51 (cod. NU0851)
Single marking tag			CNU/8/51 (cod. NU0851)
			CNU/8/51 (cod. NU0851)
Warning plate	on adjacent terminal blocks		-
Cover for cross-connection			PRP/5 (cod. PRP05)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		-

For the installation on limited longitudinal space where high density wiring is needed together with reliable insulation, special feed-through two/three level terminal blocks are available. The three level terminal blocks are suitable for circuits which are to be used and connected with specific equipment, as for example proximity sensors. In fact, through the combined use of TLS.2 and TLD.2 terminal blocks it is possible to connect in an optimal and economic manner both power supply conductors on input to the sensor, and those on output carrying the signal of the same. Particularly in the **TLS.2 terminal block**, the intermediate and lower levels can be used to feed the sensors in d.c.; the feeding is distributed on the adjoining elements of the terminal board by means of a special **LOCK** connection system.
The above mentioned conducting bodies have a fork, pointed towards the exterior of the terminal block, which connects to the homologous element of the adjoining terminal block.
The resulting contact is clamped with a screw, supplied already inserted in the conductor element.
The LOCK system, above described, allows the connection of positive and negative poles, without the use of any other parallel cross connection. At the upper, feed-through level, the conductor for the return signal of the sensor is connected; inserting PRP/5 coloured protections in the special channels guarantees against all possible contact of the live parts and enables immediate identification of the polarity (Red for +, Blue for).
TLD.2 terminal block is perfectly compatible with the **TLS.2** for the connection of proximity sensors, as it has the same electrical and mechanical characteristics. Two of six tightening units can be connected to the sensor feeding cables and distribute the power supply to the other sensors.
The cross-connection between the intermediate and lower levels of these terminal blocks to the contiguous ones of the TLS.2 can be performed by means of the two screws provided in the fork type conducting bodies of the TLS.2 – the first of the Series – free from whatever connection; between the TLD.2 and TLS.2 terminal blocks a TLD/PI intermediate end section must be interposed, to ensure electric insulation of the TLD.2 terminal block conducting parts, which otherwise would be uncovered.
TLD.2 terminal block can also be used for other connecting applications, in other types of circuits.

THREE LEVELS TERMINAL BLOCKS

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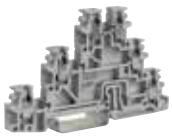
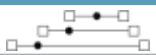


(1) See chapter accessories for more details

GREY VERSION			**CODE**	**TL200GR**	**TL400GR**	**TL500GR**
			TYPE	**TLD.2/GR**	**TLE.2/GR**	**TDE.2/GR**
BEIGE VERSION			**CODE**	**TL200**	**TL400**	**TL500**
			TYPE	**TLD.2**	**TLE.2**	**TDE.2**
BLUE VERSION			**CODE**	**TL300**		
			TYPE	**TLD.2 (EX)I**		
TECHNICAL CHARACTERISTICS						
Function/type				3 leveles	2 levels + earth	2 levels feed through + earth
Rated cross-section			(mm²)	2.5	2.5	2.5
Connecting capacity	Flexible		(mm²)	0.2 – 4	0.2 – 4	0.2 – 4
	Rigid		(mm²)	0.2 – 4	0.2 – 4	0.2 – 4
	Max. flexible with ferrule - ferrule type		(mm²)	2.5 - WP25/14	2.5 - WP25/14	2.5 - WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	250	250	250
	Max current with rated cross-section		(A)	24	24	24
	Section		Caliber	A3	A3	A3
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	15	20	20
	Section Min-Max		(AWG)	20-12	20-12	20-12
	Tightening torque		(lb.in)	3.5	3.5	3.5
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage		(V)	-	-	-
	Max current with rated cross-section		(A)	-	-	-
	Operating temperature		(°C)	-	-	-
Rated impulse withstand voltage/pollution degree				4 KV / 3	4 KV / 3	4 KV / 3
Insulation stripping length			(mm)	8	8	8
tightening torque value Nominal / Max			(Nm)	0.4 / 0.8	0.4 / 0.8	0.4 / 0.8
Length			(mm)	85	62.5	85
Width			(mm)	6.2	6.2	6.2
Height mounted on TH35/7,5			(mm)	52	52	52
Height mounted on TH35/15			(mm)	60	60	60
Height mounted on G32			(mm)	-	-	-
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS				cULus KEMA KEUR EAC	cULus KEMA KEUR EAC	cULus KEMA KEUR EAC
ACCESSORIES						
End section	Grey			TLD/PT/GR (cod. TL201GR)	TLS/PT/GR (cod. TL101GR)	TLS/PT/GR (cod. TL101GR)
	Beige			TLD/PT (cod. TL201)	TLS/PT (cod. TL101)	TLS/PT (cod. TL101)
	Blue			-	-	-
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC or other versions (1)			PM/.../... (cod. PM...)	PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
	PTP version (1)			-	-	-
	Rated current / Rated current ATEX applications		(A)	24 / -	24 / -	24 / -
Cross connection identification strip	green			-	-	-
Switchable cross connection				POS/41 (cod. POS41)	POS/41 (cod. POS41)	POS/41 (cod. POS41)
Multiple common bar	250 mm			PMP/02 (cod. PMP02)	PMP/02 (cod. PMP02)	PMP/02 (cod. PMP02)
Shunting screw and sleeve	standard / Ex e version			CPM/21 (cod. CPM21) / -	CPM/21 (cod. CPM21) / -	CPM/21 (cod. CPM21) / -
	internal jumper			-	-	-
	internal jumper + external jumper			-	-	-
Coloured partition	red			DFU/3/R (cod. DU03R)	DFU/3/R (cod. DU03R)	DFU/3/R (cod. DU03R)
Cross connection barried (upper level)	red			-	-	-
Cross connection barried (lower level)	red			-	-	-
Cross connection barrier	red			DFM/400 (cod. DF400)	DFM/400 (cod. DF400)	DFM/400 (cod. DF400)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug				-	-	-
Numbering strip				CNU/8/51 (cod. NU0851)	CNU/8/51 (cod. NU0851)	CNU/8/51 (cod. NU0851)
Single marking tag				CNU/8/51 (cod. NU0851)	CNU/8/51 (cod. NU0851)	CNU/8/51 (cod. NU0851)
				CNU/8/51 (cod. NU0851)	CNU/8/51 (cod. NU0851)	CNU/8/51 (cod. NU0851)
Warning plate	on adjacent terminal blocks			-	-	-
Cover for cross-connection				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			-	-	-

FUSE HOLDER TERMINAL BLOCKS

cabur

- for Ø 5 x 20 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)

(1) See chapter accessories for more details

GREY VERSION			CODE	**SF900GR**	**CBF04GR**
			TYPE	SFR.4/GR	CBF.4/GR
BEIGE VERSION			CODE	**SF900**	**CBF04**
			TYPE	SFR.4	CBF.04
BLUE VERSION			CODE	**SF850**	**CBF04I**
			TYPE	SFR.4 (EX)I	CBF.4 (EX)I
TECHNICAL CHARACTERISTICS					
Function/type				Fuse-holders ø 5x20	Fuse-holders ø 5x20
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0.2 – 6	0.2 – 6
	Rigid		(mm²)	0.2 – 6	0.2 – 6
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	800	630
	Max current with rated cross-section		(A)	6.3 A max (20 A with CO/5)	6.3
	Section		Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600
	Max current with rated cross-section		(A)	6.3	6.3
	Section Min-Max		(AWG)	20-12	20-12
	Tightening torque		(lb.in)	4.4	4.4
Rated impulse withstand voltage/pollution degree				6 KV / 3	6 KV / 3
Insulation stripping length			(mm)	11	10
tightening torque value Nominal / Max			(Nm)	0.5 / 1.2	0.5 / 1
Length			(mm)	52	57
Width			(mm)	8	6
Height mounted on TH35/7,5			(mm)	52	76
Height mounted on TH35/15			(mm)	60	83
Height mounted on G32			(mm)	56	-
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				Polyamide UL94V-0	Polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			SFR.4/PT/GR (cod. SF701GR)	CBSF.2-4/PT/GR (cod. CB401GR)
	Beige			SFR.4/PT (cod. SF701)	CBSF.2-4/PT (cod. CB401)
	Blue			SFR.4/PT (Ex)i (cod. SF801)	CBSF.2-4/PT (Ex)i (cod. CB402)
	Thickness		(mm)	1.5	1.5
Cross connection	PTC or other versions (1)			-	PTC/4/... (cod. PTC04...)
	PTP version (1)			-	PTP/4/... (cod. PTP04...)
	Rated current / Rated current ATEX applications		(A)	-	32
Cross connection identification strip	green			-	PTC/SP (cod. PTC0990)
Coloured partition	red			DFU/3/R (cod. DU03R)	-
Cross connection barrier				-	-
Miniature fuse	Ø 5 x 20 mm			F5 (cod. FN...)	F5 (cod. FN...)
LED circuit non-polarized	for voltage 12V 24V 48V AC/DC			CIL/12-24-48 (cod. SF518)	CIL/12-24-48 (cod. SF518)
	for voltage 115V 230V AC/DC			CIL/115-230 (cod. SF510)	CIL/115-230 (cod. SF510)
	for voltage 12V 24V AC/DC			-	-
	for voltage 70V 380V AC/DC			-	-
Terminal block with LED 12 ÷ 48 V non polarised micro-circuit				-	-
Terminal block with LED 115 ÷ 230 V non polarised micro-circuit				-	-
1 A diode cartridge / insert				-	-
3 A diode cartridge / insert				-	-
Terminal block with 1 A diode				-	-
Terminal block with 3 A diode				-	-
Single marking tag				CNU/08/51 (cod. CNU0851S)	CNU/08/51 (cod. CNU0851S)
				CNU/10/61 (cod. CNU1061S)	CNU/10/61 (cod. CNU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

Type	SFR.4	CBF.4
Voltage (V)	250	250
Current (A)	6.3	6.3/10 max.
PROTECTION AGAINST OVERLOAD AND SHORT CIRCUIT		
Single configuration (pv)	2.5W (6.3A)	2.5W (6.3A)
Composite configuration (pv)	1.6W (6.3A)	1.6W (6.3A)
PROTECTION AGAINST SHORT CIRCUIT		
Single configuration (pvk)	2.5W (6.3A)	4W (10A)
Composite configuration (pvk)	2.5W (6.3A)	2.5W (6.3A)

FUSE HOLDER TERMINAL BLOCKS

cabur

- for Ø 5 x 20 mm fuses, with possibility of warning of any broken fuse through lamp
- for Ø 6.3 x 32 mm fuses

(1) See chapter accessories for more details

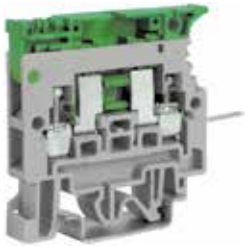
GREY VERSION			**CODE**	**SR500GR**
			TYPE	**SFR.6/M/GR**
BEIGE VERSION			**CODE**	**SR500**
			TYPE	**SFR.6/M**
BLUE VERSION			**CODE**	**SR600**
			TYPE	**SFR.6/M (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type				Fuse-holders ø 5x20
Rated cross-section		(mm²)		6
Connecting capacity	Flexible	(mm²)		0.2 – 10
	Rigid	(mm²)		0.2 – 10
	Max. flexible with ferrule - ferrule type	(mm²)		6 - WP60/20
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		630
	Max current with rated cross-section	(A)		10 A max. (19 A with CO/5)
	Section	Caliber		A5
Electrical characteristics According to UL	Max AC/DC Voltage	(V)		600
	Max current with rated cross-section	(A)		6.3
	Section Min-Max	(AWG)		20-8
	Tightening torque	(lb.in)		13
Rated impulse withstand voltage/pollution degree				6 KV / 3
Insulation stripping length		(mm)		11
tightening torque value Nominal / Max		(Nm)		0.8 / 1.4
Length		(mm)		79
Width		(mm)		10
Height mounted on TH35/7,5		(mm)		59
Height mounted on TH35/15		(mm)		67
Height mounted on G32		(mm)		63
Insulation material temperature index (EN 60216-1)		(°C)		130
Plastic material				Polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			SFR.6/PT/GR (cod. SR301GR)
	Beige			SFR.6/PT (cod. SR301)
	Blue			SFR.6/PT (Ex)i (cod. SR401)
	Thickness	(mm)		1.5
Cross connection	PTC or other versions (1)			PTC/20/... (cod. PTC20...)
	PTP version (1)			-
	Rated current / Rated current ATEX applications	(A)		25
Cross connection identification strip	green			PTC/SP (cod. PTC0990)
Coloured partition	red			DFU/7/R (cod. DU07R)
Cross connection barrier				DFM/300 (cod. DF300)
Miniature fuse	Ø 5 x 20 mm			F5 (cod. FN...)
LED circuit nonpolarized	for voltage 12V 24V 48V AC/DC			-
	for voltage 115V 230V AC/DC			-
Lamp	for voltage 12V 24V AC/DC			KITLSN/12-24 (cod. KIT1224)
	for voltage 70V 380V AC/DC			KITLSN/70-380 (cod. KIT70380)
Terminal block with LED 12 ÷ 48 V non polarized micro-circuit				-
Terminal block with LED 115 ÷ 230 V non polarized micro-circuit				-
1 A diode cartridge / insert				-
3 A diode cartridge / insert				-
Terminal block with 1 A diode				-
Terminal block with 3 A diode				-
Single marking tag				CNU/08/51 (cod. CNU0851S)
				CNU/10/61 (cod. CNU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)

Type		**SFR.6/M**	**SFR.6**
Voltage (V)		250	250
Current (A)		6.3/10 max.	2.5/10 max.
PROTECTION AGAINST OVERLOAD AND SHORT CIRCUIT			
Single configuration (pv)		2.5W (6.3A)	4W (10A)
Composite configuration (pv)		2.5W (6.3A)	2.5W (2.5A)
PROTECTION AGAINST SHORT CIRCUIT			
Single configuration (pvk)		4W (10A)	4W (10A)
Composite configuration (pvk)		4W (8A)	4W (10A)

FUSE HOLDER TERMINAL BLOCKS

- for Ø 5 x 20 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)
- for Ø 6.3 x 32 mm fuses

AVAILABLE UNTIL STOCKS LAST



(1) See chapter accessories for more details

GREY VERSION	CODE	SF910GR
	TYPE	SFR.4/VS/GR
BEIGE VERSION	CODE	SF910
	TYPE	SFR.4/VS
BLUE VERSION	CODE	
	TYPE	

TECHNICAL CHARACTERISTICS

Function/type			Fuse-holders ø 5x20 with solder lug
Rated cross-section		(mm²)	4
Connecting capacity	Flexible	(mm²)	0.2 – 6
	Rigid	(mm²)	0.2 – 6
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	400
	Max current with rated cross-section	(A)	6.3 A max (15 A with CO/5)
	Section	Caliber	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	-
	Max current with rated cross-section	(A)	-
	Section Min-Max	(AWG)	-
	Tightening torque	(lb.in)	-
Rated impulse withstand voltage/pollution degree			4 KV / 3
Insulation stripping length		(mm)	11
tightening torque value Nominal / Max		(Nm)	0.5 / 1.2
Length		(mm)	65
Width		(mm)	8
Height mounted on TH35/7,5		(mm)	52
Height mounted on TH35/15		(mm)	60
Height mounted on G32		(mm)	56
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			Polyamide UL94V-0

Type	**SFR.4/VS**
Voltage (V)	250
Current (A)	6.3
PROTECTION AGAINST OVERLOAD AND SHORT CIRCUIT	
Single configuration (pv)	2.5W (6.3A)
Composite configuration (pv)	1.6W (6.3A)
PROTECTION AGAINST SHORT CIRCUIT	
Single configuration (pvk)	2.5W (6.3A)
Composite configuration (pvk)	2.5W (6.3A)

APPROVALS

ACCESSORIES

End section	Grey		SFR.4/PT/GR (cod. SF701GR)
	Beige		SFR.4/PT (cod. SF701)
	Blue		-
	Thickness	(mm)	1.5
Cross connection	PTC or other versions (1)		-
	PTP version (1)		-
	Rated current / Rated current ATEX applications	(A)	-
Cross connection identification strip	green		-
Coloured partition	red		DFU/3/R (cod. DU03R)
Cross connection barrier			-
Miniature fuse	Ø 5 x 20 mm		F5 (cod. FN...)
LED circuit nonpolarized	for voltage 12V 24V 48V AC/DC		CIL/12-24-48 (cod. SF518)
	for voltage 115V 230V AC/DC		CIL/115-230 (cod. SF510)
Lamp	for voltage 12V 24V AC/DC		-
	for voltage 70V 380V AC/DC		-
Terminal block with LED 12 ÷ 48 V nonpolarized micro-circuit			-
Terminal block with LED 115 ÷ 230 V nonpolarized micro-circuit			-
1 A diode cartridge / insert			-
3 A diode cartridge / insert			-
Terminal block with 1 A diode			-
Terminal block with 3 A diode			-
Single marking tag			CNU/08/51 (cod. CNU0851S)
			CNU/10/61 (cod. CNU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)

FUSE/ DIODE HOLDERS TERMINAL BLOCKS

- for Ø 5 x 20 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)
- for 1 A diodes (types 1N4001 – 1N4007)

(1) See chapter accessories for more details
Components are not included

GREY VERSION		**CODE**	**DA200GR**
		TYPE	**DSF.4/GR**
BEIGE VERSION		**CODE**	**DA200**
		TYPE	**DSF.4**
BLUE VERSION		**CODE**	
		TYPE	

TECHNICAL CHARACTERISTICS

Function/type			Two levels fuse-holders ø 5x20 + feed through
Rated cross-section		(mm²)	4
Connecting capacity	Flexible	(mm²)	0,2 ÷ 6
	Rigid	(mm²)	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800
	Max current with rated cross-section	(A)	6.3 A (10 A with CO/5) (upper level) 32 A (lower level)
	Section	Caliber	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	-
	Max current with rated cross-section	(A)	-
	Section Min-Max	(AWG)	-
	Tightening torque	(lb.in)	-
Rated impulse withstand voltage/pollution degree			8 kV / 3
Insulation stripping length		(mm)	9
tightening torque value Nominal / Max		(Nm)	0,5 / 1,2
Length		(mm)	79.5
Width		(mm)	8
Height mounted on TH35/7,5		(mm)	69
Height mounted on TH35/15		(mm)	77
Height mounted on G32		(mm)	-
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			Polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		DSF.4/PT/GR (cod. DS401GR)
	Beige		DSF.4/PT D(cod. DS401)
	Blue		-
	Thickness	(mm)	1.5
Cross connection	PTC or other versions (1)		-
	PTP version (1)		-
	Rated current / Rated current ATEX applications	(A)	-
Cross connection identification strip	green		-
Coloured partition	red		DFU/7/R (cod. DU07R)
Cross connection barrier			-
Miniature fuse	Ø 5 x 20 mm		F5 (cod. FN...)
LED circuit nonpolarized	for voltage 12V 24V 48V AC/DC		CIL/12-24-48 (cod. SF518)
	for voltage 115V 230V AC/DC		CIL/115-230 (cod. SF510)
Lamp	for voltage 12V 24V AC/DC		-
	for voltage 70V 380V AC/DC		-
Terminal block with LED 12 ÷ 48 V nonpolarized micro-circuit			DSF.4/GR/C12-48 (cod. DA518GR)
Terminal block with LED 115 ÷ 230 V nonpolarized micro-circuit			DSF.4/GR/C115-230 (cod. DA510GR)
1 A diode cartridge / insert			SFR/I1A (cod. SF992)
3 A diode cartridge / insert			SFR/I3A (cod. SF993)
Terminal block with 1 A diode			DSF.4/GR/D1A (cod. DA901GR)
Terminal block with 3 A diode			DSF.4/GR/D3A (cod. DA903GR)
Single marking tag			CNU/08/51 (cod. CNU0851S)
			CNU/10/61 (cod. CNU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		-

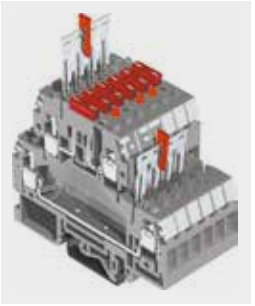
FUSE HOLDER TERMINAL BLOCKS

- for "blade" fuse in compliance with DIN 72581/3F – ISO 8820
- combinable with CPF05 components holder (see accessories chapter for more details)

(1) See chapter accessories for more details
(2) 10A max. with conducting element VL103 combined with CPF05. 6.3A max with fuse combined with CPF05
(3) Approvals reffered to use with CPF/5 component holder cartridge

GREY VERSION	CODE / TYPE	MF100GR / MPFA.4/GR	DA100GR / DSFA.4/GR
BEIGE VERSION	**CODE / TYPE**	**MF100 / MPFA.4**	**DA100 / DSFA.4**
TECHNICAL CHARACTERISTICS			
Function/type		Blade fuse holder	2 levels, blade fuse holder + feed through
Rated cross-section	(mm²)	4	4
Connecting capacity – Flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6
Connecting capacity – Rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6
Connecting capacity – Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1 – Max AC/DC Voltage	(V)	400	400
Electrical characteristics According to European standard IEC EN 60947-7-1 – Max current with rated cross-section	(A)	10 (2)	10 (2) / 32
Electrical characteristics According to European standard IEC EN 60947-7-1 – Section	Caliber	A4	A4
Electrical characteristics According to UL – Max AC/DC Voltage	(V)	600	300
Electrical characteristics According to UL – Max current with rated cross-section	(A)	6.3	6.3-30
Electrical characteristics According to UL – Section Min - Max	(AWG)	26-10	26-10
Electrical characteristics According to UL – Tightening torque	(lb.in)	4.4	4.4
Rated impulse withstand voltage/pollution degree		6 KV / 3	6 KV / 3
Insulation stripping length	(mm)	9	9
Tightening torque Nominal / Max.	(Nm)	0,5 / 1,2	0,5 / 1,2
Length	(mm)	47	78
Width	(mm)	6	6
Height mounted on TH35/7,5	(mm)	47	68
Height mounted on TH35/15	(mm)	55	75
Height mounted on G32	(mm)	51	72
Insulation material temperature index (EN 60216-1)	(°C)	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0
APPROVALS			
ACCESSORIES			
End section – Grey		MPS.4/PT/GR (cod. MP901GR)	DSS/PT/GR (cod. DS301GR)
End section – Beige		MPS.4/PT (cod. MP901)	DSS/PT (cod. DS301)
End section – Blue		-	-
End section – Thickness	(mm)	1.5	1.5
Cross connection – PTC version (1)		PTC/4/... (cod. PTC04...)	PTC/4/... (cod. PTC04...)
Cross connection – PTP version (1)		-	-
Cross connection – Rated current	(A)	32	32
Coloured partition – red		DFU/3/R (cod. DU03R)	DFU/7/R (cod. DU07R)
Cross connection barrier – red		DFM/500 (cod. DF500)	DFM/500 (cod. DF500)
Blade-type fuses according to DIN 72581/3F ISO 8820 - max voltage 32 V In = 2A, 5A, 7.5A, 15A (1)		F32/... (cod. FN032...)	F32/... (cod. FN032...)
Terminal block with LED 12V circuit nonpolarized		MPFA.4/L12 (cod. MF112)	DSFA.4/L12 (cod. DA112)
Terminal block with LED 24V circuit nonpolarized		MPFA.4/L24 (cod. MF124)	DSFA.4/L24 (cod. DA124)
Marking tag		CNU/08/51 (cod. CNU0851S)	CNU/08/51 (cod. CNU0851S)
Marking tag		CNU/10/61 (cod. CNU1061S)	CNU/10/61 (cod. CNU1061S)
End bracket – Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
End bracket – Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
End bracket – Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
End bracket – Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

MPFA.4 – detail of the terminal blocks with numbering CNU/8 and CNU/8/51, "blade" fuse seen from the PTC/4 cross connection and seen from the PTC cross connection. The terminal block can be supplied already including a non-polarised LED warning circuit, to warn if the fuse breaks. Two versions are available, depending on the different power supply voltages.



DSFA.4 – detail of the terminal blocks with numbering CNU/8 and CNU/8/51, blade fuse and view of the PTC/4 cross connections on the upper level (upstream from the fuse) and on the lower level.
The terminal block can be supplied already including a non-polarized LED warning circuit, to warn if the fuse breaks.
Two versions are available, depending on the different power supply voltages.
DSFA.4/L12 code DA112 (complete with non-polarised 12 V LED circuit)
DSFA.4/L24 code DA124 (complete with non-polarised 24 V LED circuit)

FUSE HOLDER TERMINAL BLOCKS

- for Ø 6.3 x 32 mm fuses
- for Ø 6.3 x 32 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)
- No end section required

(1) value reffered to the insulation characteristics of the terminal blocks

BEIGE VERSION		CODE	FP100	FP300	FP200
		TYPE	FPC.10	FPL.10/C	FPL.10/L
TECHNICAL CHARACTERISTICS					
Function/type			fuse holder Ø 6.3 x 32 mm	fuse holder Ø 6.3 x 32 mm with LED	fuse holder Ø 6.3 x 32 mm with lamp
Rated cross-section		(mm²)	10	10	10
Connecting capacity	Flexible	(mm²)	1.5 – 16	1.5 – 16	1.5 – 16
	Rigid	(mm²)	1.5 – 16	1.5 – 16	1.5 – 16
	Max. flexible with ferrule - ferrule type	(mm²)	10 - WP100/21	10 - WP100/21	10 - WP100/21
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800	800
	Max current with rated cross-section	(A)	10 A (20 A with SFC/CO)	10	10 A (20 A with SFC/CO)
	Section	Caliber	B6	B6	B6
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	300	300
	Max current with rated cross-section	(A)	15	15	15
	Section Min - Max	(AWG)	20 - 6	20 - 6	20 - 6
	Tightening torque	(lb.in)	7	7	7
Rated impulse withstand voltage/pollution degree			6 KV (1) / 3	6 KV (1) / 3	6 KV (1) / 3
Insulation stripping length		(mm)	17	17	17
Tightening torque value Nominal / Max		(Nm)	1.2 / 1.9	1.2 / 1.9	1.2 / 1.9
Length		(mm)	63	63	63
Width		(mm)	12	12	12
Height mounted on TH35/7,5		(mm)	70	71	71
Height mounted on TH35/15		(mm)	78	79	79
Height mounted on G32		(mm)	74	75	75
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
Coloured partition	red		DFU/6/R (cod. DU06R)	DFU/6/R (cod. DU06R)	DFU/6/R (cod. DU06R)
Test plug			SDD/2 (cod. DD002)	-	-
MSM handle	simultaneous disconnection of 6 terminal blocks		MSM (cod. FC103)	MSM (cod. FC103)	MSM (cod. FC103)
Neon lamp Ø 6 x 26 mm			-	-	LSN (cod. FL202)
Non polarized LED circuit	12-24-48V AC/DC voltages		-	CIL/12-24-48 (cod. SF518)	-
Non polarized LED circuit	115-230V AC/DC voltages		-	CIL/115-230 (cod. SF510)	-
Marking tag			CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

SFR - CBF - FPL SERIES FUSE HOLDER TERMINAL BLOCKS WITH WARNING LED

cabur

- for Ø 5x20 mm fuses, with LED warning circuit capable of detecting intervention of the fuse
- with LED (CIL) microcircuits - non-polarised for operation under alternating and/or direct current

(1) See chapter accessories for more details

BEIGE VERSION WITH 12-24-48V LED CIRCUIT	**CODE**	**SF948**			**FP948**
	TYPE	**SFR.4/C48**			**FPL.10/C48**
BEIGE VERSION WITH 100-230V LED CIRCUIT	**CODE**	**SF923**			**FP923**
	TYPE	**SFR.4/C230**			**FPL.10/C230**
GREY VERSION WITH 12-24-48V LED CIRCUIT	**CODE**	**SF948GR**	**CBF448GR**		
	TYPE	**SFR.4/C48/GR**	**CBF.4/C48/GR**		
GREY VERSION WITH 100-230V LED CIRCUIT	**CODE**	**SF923GR**	**CBF423GR**		
	TYPE	**SFR.4/C230/GR**	**CBF.4/C23/GR**		

TECHNICAL CHARACTERISTICS

Function/type			For Ø 5 x 20 mm fuse and LED circuit	For Ø 5 x 20 mm fuse and LED circuit	For Ø 6.3 x 32 mm fuse and LED circuit
Rated cross-section		(mm²)	4	4	10
Connecting capacity	Flexible	(mm²)	0.2 – 6	0.2 – 6	1.5 – 16
	Rigid	(mm²)	0.2 – 6	0.2 – 6	1.5 – 16
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16	10 - WP100/21
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	630	800
	Max current with rated cross-section	(A)	6.3	6.3 A max (20A con CO/5)	10
	Section	Caliber	A4	A4	B6
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	300
	Max current with rated cross-section	(A)	6.3	6.3	15
	Section Min - Max	(AWG)	20-12	20 - 12	20 - 6
	Tightening torque	(lb.in)	4.4	4.4	7
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	11	11	17
Tightening torque value Nominal / Max		(Nm)	0.5 / 1.2	0.5 / 1	1.2 / 1.9
Length		(mm)	52	57	63
Width		(mm)	8	6	12
Height mounted on TH35/7,5		(mm)	52	76	71
Height mounted on TH35/15		(mm)	60	83	79
Height mounted on G32		(mm)	56	-	75
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

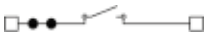
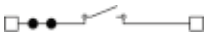
APPROVALS

ACCESSORIES

End section	Grey		SFR/PT/GR (cod. SF701GR)	CBSF.2-4/PT/GR (cod. CB401GR)	-
	Beige		SFR/PT (cod. SF701)	-	-
	Thickness	(mm)	1.5	1.5	-
Cross connection	PTC version (1)		-	PTC/4/... (cod. PTC04...)	-
	PTP version (1)		-	PTP/4/... (cod. PTP04...)	-
	Rated current	(A)	-	32	-
Cross connection identification strip	green		-	PTC/SP (cod. PTC0990)	-
Coloured partition	red		DFU/3/R (cod. DU03R)	-	DFU/6/R (cod. DU06R)
MSM handle	simultaneous disconnection of 6 terminal blocks		-	-	MSM (cod. FC103)
Miniature fuse Ø 5 x 20 mm			F5/... (cod. FN...)	F5/... (cod. FN...)	-
Conducting element			CO/5 (cod. VL103)	CO/5 (cod. VL103)	-
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	-
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	-
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	-	BT/DIN/PO (cod. BT001)

DISCONNECT SCREW TERMINAL BLOCKS

(1) See chapter accessories for more details

GREY VERSION		**CODE**	**CBS02GR**	**CBS04GR**
		TYPE	**CBS.2/GR**	**CBS.4/GR**
BEIGE VERSION		**CODE**	**CBS02**	**CBS04**
		TYPE	**CBS.2**	**CBS.4**
BLUE VERSION		**CODE**	**CBS02I**	**CBS04I**
		TYPE	**CBS.2 (EX) I**	**CBS.4 (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type			"blade" switchable	"blade" switchable
Rated cross-section		(mm²)	2	4
Connecting capacity	Flexible	(mm²)	0,2 ÷ 4	0,2 ÷ 6
	Rigid	(mm²)	0,2 ÷ 4	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type	(mm²)	2 - WP25/14	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	630	630
	Max current with rated cross-section	(A)	20	25
	Section	Caliber	A3	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	20	24
	Section Min - Max	(AWG)	20-12	20-10
	Tightening torque	(lb.in)	3.5	4.4
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	9	10
Tightening torque value Nominal / Max		(Nm)	0,4 / 0,6	0,5 / 0,8
Length		(mm)	57	57
Width		(mm)	5	6
Height mounted on TH35/7,5		(mm)	52	52
Height mounted on TH35/15		(mm)	60	60
Height mounted on G32		(mm)	-	-
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey		CBSF.2-4/PT/GR (cod. CB401GR)	CBSF.2-4/PT/GR (cod. CB401GR)
	Beige		CBSF.2-4/PT (cod. CB401)	CBSF.2-4/PT (cod. CB401)
	Blue		CBSF.2-4/PT (Ex)i (cod. CB402)	CBSF.2-4/PT (Ex)i (cod. CB402)
	Thickness	(mm)	1.5	1.5
Cross connection	PTC version (1)		PTC/2/... (cod. PTC02...)	PTC/4/... (cod. PTC04...)
	PTP version (1)		PTP/2/... (cod. PTP02...)	PTP/4/... (cod. PTP04...)
	Rated current	(A)	24	32
Switchable cross connection			-	-
Cross connection identification strip	green		PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Multiple common bar			-	-
Shunting screw and sleeve			-	-
Coloured partition	red		DFU/3/R (cod. DU03R)	DFU/3/R (cod. DU03R)
Cross connection barrier	red		DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)
Test plug			-	-
Short-circuit plate	2 poles		-	-
	4 poles		-	-
Brass conducting element			-	-
Screw and sleeve for short-circuit plates			-	-
MSM handle			-	-
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

(1) See chapter accessories for more details

GREY VERSION			**CODE**	**MP950GR**
			TYPE	**MPS.4/GR**
BEIGE VERSION			**CODE**	**MP950**
			TYPE	**MPS.4**
BLUE VERSION			**CODE**	**MP960**
			TYPE	**MPS.4 (EX)I**
TECHNICAL CHARACTERISTICS				
Function/type				"blade" switchable
Rated cross-section		(mm²)		4
Connecting capacity	Flexible	(mm²)		0,2 ÷ 6
	Rigid	(mm²)		0,2 ÷ 6
	Max. flexible with ferrule - ferrule type	(mm²)		4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)		400
	Max current with rated cross-section	(A)		24
	Section	Caliber		A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)		600
	Max current with rated cross-section	(A)		24
	Section Min - Max	(AWG)		26-10
	Tightening torque	(lb.in)		4.4
Rated impulse withstand voltage/pollution degree				6 KV / 3
Insulation stripping length		(mm)		9
Tightening torque value Nominal / Max		(Nm)		0,5 / 1,2
Length		(mm)		47
Width		(mm)		6
Height mounted on TH35/7,5		(mm)		47
Height mounted on TH35/15		(mm)		55
Height mounted on G32		(mm)		51
Insulation material temperature index (EN 60216-1)		(°C)		130
Plastic material				polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section	Grey			MPS.4/PT/GR (cod. MP901GR)
	Beige			MPS.4/PT (cod. MP901)
	Blue			MPS.4/PT (Ex) i (cod. MP902)
	Thickness	(mm)		1.5
Cross connection	PTC version (1)			PTC/4/... (cod. PTC04...)
	PTP version (1)			-
	Rated current	(A)		32
Switchable cross connection				-
Cross connection identification strip	green			PTC/SP (cod. PTC0990)
Multiple common bar				-
Shunting screw and sleeve				-
Coloured partition	red			DFU/3/R (cod. DU03R)
Cross connection barrier	red			DFM/500 (cod. DF500)
Test plug				-
Short-circuit plate	2 poles			-
	4 poles			-
Brass conducting element				-
Screw and sleeve for short-circuit plates				-
MSM handle				-
Marking tag				CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)

			CODE	**DS400GR**
			TYPE	**DSS.4/GR**
			CODE	**DS400**
			TYPE	**DSS.4**
			CODE	
			TYPE	
				2 levels disconnect
				4
				0,2 ÷ 6
				0,2 ÷ 6
				4 - WP40/16
				400
				24(upper circuit)-32(lower circuit)
				A4
				300
				24(upper circuit)-32(lower circuit)
				26-10
				4.4
				6 KV / 3
				9
				0,5 / 1,2
				78
				6
				68
				75
				72
				130
				polyamide UL94V-0
				DSS/PT/GR (cod. DS301GR)
				DSS/PT (cod. DS301)
				-
				1.5
				PTC/4/... (cod. PTC04...)
				-
				32
				-
				PTC/SP (cod. PTC0990)
				-
				-
				DFU/7/R (cod. DU07R)
				DFM/500 (cod. DF500)
				-
				-
				-
				-
				CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)
				BTU (cod. BT005)
				BTO (cod. BT007)
				BT/3 (cod. BT003)
				BT/DIN/PO (cod. BT001)

DISCONNECT SCREW TERMINAL BLOCKS

- disconnects by means of conducting element to be inserted in the lever
- disconnects with special connections
- Ø 5 x 20 mm CO/5 conducting element - in tin plated brass to be inserted in the lever

AVAILABLE UNTIL STOCKS LAST

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	**SF900GR** SFR.4/GR	**SF910GR** SFR.4/VS/GR
BEIGE VERSION			CODE TYPE	**SF900** SFR.4	**SF910** SFR.4/VS
BLUE VERSION			CODE TYPE	**SF850** SFR.4 (EX)I	
TECHNICAL CHARACTERISTICS					
Function/type				disconnect	disconnect, with solder lug
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Rigid		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	800	400
	Max current with rated cross-section		(A)	20 A (with CO/5)	15 A (with CO/5)
	Section		Caliber	A3	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	-
	Max current with rated cross-section		(A)	6.3	-
	Section Min - Max		(AWG)	20-12	-
	Tightening torque		(lb.in)	4.4	-
Rated impulse withstand voltage/pollution degree				6 KV / 3	4 KV / 3
Insulation stripping length			(mm)	11	11
Tightening torque value Nominal / Max			(Nm)	0,5 / 1,2	0,5 / 1,2
Length			(mm)	52	65
Width			(mm)	8	8
Height mounted on TH35/7,5			(mm)	52	52
Height mounted on TH35/15			(mm)	60	60
Height mounted on G32			(mm)	56	56
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			SFR.4/PT/GR (cod. SF701GR)	SFR.4/PT/GR (cod. SF701GR)
	Beige			SFR.4/PT (cod. SF701)	SFR.4/PT (cod. SF701)
	Blue			SFR.4/PT (Ex)i (cod. SF801)	-
	Thickness		(mm)	1.5	1.5
Cross connection	PTC version (1)			-	-
	PTP version (1)			-	-
	Rated current		(A)	-	-
Switchable cross connection				-	-
Cross connection identification strip	green			-	-
Multiple common bar				-	-
Shunting screw and sleeve				-	-
Coloured partition	red			-	-
Cross connection barrier	red			-	-
Test plug				-	-
Short-circuit plate	2 poles			-	-
	4 poles			-	-
Brass conducting element				CO/5 (cod. VL103)	CO/5 (cod. VL103)
Screw and sleeve for short-circuit plates				-	-
MSM handle				-	-
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

DISCONNECT SCREW TERMINAL BLOCKS

- disconnects by means of conducting element to be inserted in the lever
- disconnects with special connections
- possibly to perform parallel connections
- Ø 6x 32 mm CO/6 conducting element - in tin plated brass to be inserted in the lever

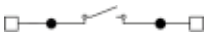
(1) See chapter accessories for more details

GREY VERSION			CODE	**SR500GR**	**SR300GR**
			TYPE	SFR.6/M/GR	SFR.6/GR
BEIGE VERSION			CODE	**SR500**	**SR300**
			TYPE	SFR.6/M	SFR.6
BLUE VERSION			CODE	**SR600**	**SR400**
			TYPE	SFR.6/M (EX)I	SFR.6 (EX)I
TECHNICAL CHARACTERISTICS					
Function/type				disconnect	disconnect
Rated cross-section			(mm²)	6	6
Connecting capacity	Flexible		(mm²)	0,2 ÷ 10	0,2 ÷ 10
	Rigid		(mm²)	0,2 ÷ 10	0,2 ÷ 10
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP60/20	6 - WP60/20
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630	630
	Max current with rated cross-section		(A)	10 / 19 A (with cylinder)	10 / 32 A (with cylinder)
	Section		Caliber	A5	A5
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600
	Max current with rated cross-section		(A)	6.3	10
	Section Min - Max		(AWG)	20-8	20-8
	Tightening torque		(lb.in)	13	13
Rated impulse withstand voltage/pollution degree				6 KV / 3	6 KV / 3
Insulation stripping length			(mm)	11	11
Tightening torque value Nominal / Max			(Nm)	0,8 / 1,4	0,8 / 1,4
Length			(mm)	79	79
Width			(mm)	10	10
Height mounted on TH35/7,5			(mm)	59	59
Height mounted on TH35/15			(mm)	67	67
Height mounted on G32			(mm)	63	63
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			SFR.6/PT/GR (cod. SR301GR)	SFR.6/PT/GR (cod. SR301GR)
	Beige			SFR.6/PT (cod. SR301)	SFR.6/PT (cod. SR301)
	Blue			SFR.6/PT (Ex)i (cod. SR401)	SFR.6/PT (Ex)i (cod. SR401)
	Thickness		(mm)	1.5	1.5
Cross connection	PTC version (1)			PTC/20/... (cod. PTC20...)	PTC/20/... (cod. PTC20...)
	PTP version (1)			-	-
	Rated current		(A)	25	25
Switchable cross connection				-	-
Cross connection identification strip	green			PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Multiple common bar				-	-
Shunting screw and sleeve				-	-
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Cross connection barrier	red			DFM/300 (cod. DF300)	DFM/300 (cod. DF300)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Short-circuit plate	2 poles			-	-
	4 poles			-	-
Brass conducting element				CO/5 (cod. VL103)	CO/6 (cod. CO06)
Screw and sleeve for short-circuit plates				-	-
MSM handle				-	-
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

DISCONNECT SCREW TERMINAL BLOCKS

- disconnects by means of conducting element to be inserted in the lever
- slide link disconnect
- possibly to perform parallel connections
- Ø 6x 32 mm CO/6 conducting element - in tin plated brass to be inserted in the lever

(1) See chapter accessories for more details

GREY VERSION				**SB300GR**
		CODE		**SCB.4/GR**
		TYPE		
BEIGE VERSION		**CODE**	**FP100**	**SB300**
		TYPE	**FPC.10**	**SCB.4**
BLUE VERSION		**CODE**		
		TYPE		
TECHNICAL CHARACTERISTICS				
Function/type			disconnect	disconnect by slide link
Rated cross-section		(mm²)	10	4
Connecting capacity	Flexible	(mm²)	1,5 ÷ 16	0,2 ÷ 6
	Rigid	(mm²)	1,5 ÷ 16	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type	(mm²)	10 - WP100/21	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800	800
	Max current with rated cross-section	(A)	20 (with SFC/CO)	32
	Section	Caliber	B6	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	15	20
	Section Min - Max	(AWG)	20-6	20-12
	Tightening torque	(lb.in)	7	4.4
Rated impulse withstand voltage/pollution degree			6 KV / 3	8 KV / 3
Insulation stripping length		(mm)	17	9
Tightening torque value Nominal / Max		(Nm)	1,2 / 1,9	0,5 / 1,2
Length		(mm)	63	58
Width		(mm)	12	6.5
Height mounted on TH35/7,5		(mm)	70	44
Height mounted on TH35/15		(mm)	79	52
Height mounted on G32		(mm)	75	48
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS			KEMA KEUR RINA Enel cULus EAC	KEMA KEUR RINA Enel cULus EAC
ACCESSORIES				
End section	Grey		-	SCB.4/PT/GR (cod. SB301GR)
	Beige		-	SCB.4/PT (cod. SB301)
	Blue		-	-
	Thickness	(mm)	1.5	1.5
Cross connection	PTC or other version (1)		-	PM/40/... (cod. PM4...)
	PTP version (1)		-	
	Rated current	(A)	-	32
Switchable cross connection			-	POS/12 (cod. POS12)
Cross connection identification strip	green		-	-
Multiple common bar			-	PMP/42 (cod. PMP42)
Shunting screw and sleeve			-	CPM/12 (cod. CPM12)
Coloured partition	red		DFU/6/R (cod. DU06R)	DFU/3/R (cod. DU03R)
Cross connection barrier	red		-	-
Test plug			SDD/2 (cod. DD002)	SDD/6-SDD/1 (cod. DD006-DD001)
Short-circuit plate	2 poles		-	SCB/4/PO/2 (cod. SB303)
	4 poles		-	SCB/4/PO/4 (cod. SB304)
Brass conducting element			SFC/CO (cod. FC102)	-
Screw and sleeve for short-circuit plates			-	SCB/4/CPM (cod. SB305)
MSM handle			MSM (cod. FC103)	-
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

DISCONNECT TERMINAL BLOCKS FOR TEST AND MEASUREMENT CIRCUITS

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WITH UL94V-0 POLYAMIDE INSULATING BODY

• Universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types

In SCB.6 type terminal block, the use of special cross-connections, formed by

SCB/6/PO/2
(between 2 adjoining terminal blocks)

or
SCB/6/PO/4
(between 4 adjoining terminal blocks)

and by the relevant
SCB/6/CPM
shunting screws

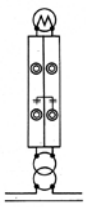
allow the simultaneous earth connection of the current transformers connected to the terminal blocks themselves, guaranteeing the correct operational sequence. In fact such cross connections, in opened position, avoid the translation on the slide links, already connected in an accident prevention position from the outside; they do not require the insertion of further partitions to separate them from other adjoining cross-connections or terminal blocks, due to the special shape of the insulating body of the terminal block itself.

SCB.6 type terminal blocks have also the possibility to house, upstream and downstream the disconnection, sockets for test plugs, suitable for the withdraw of signals.

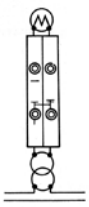
In particular the shunts can take place:

- On **SCB/CPM** shunting screws of the short-circuit plates
- On **PSD/P** socket to be screwed directly into the conducting body of the terminal block, in order to perform the shunting function.

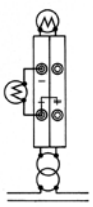
The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy spotting of the slide-link itself.



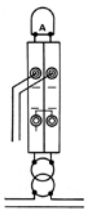
NORMAL OPERATION



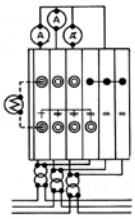
CT SHORT-CIRCUIT



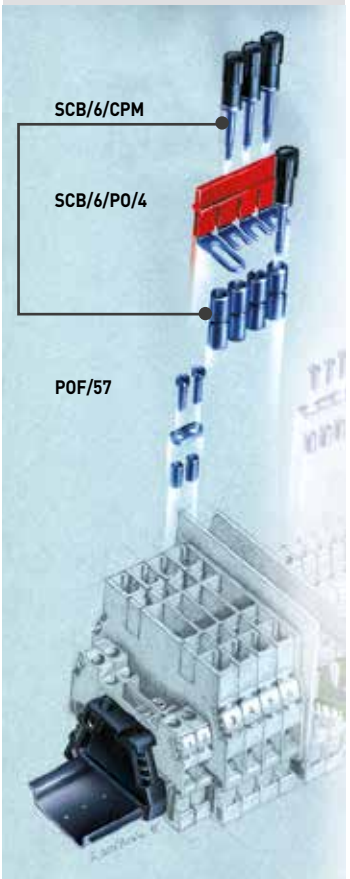
TEST ON MEASURING INSTRUMENT



PROTECTION INSTRUMENT TEST



THREE PHASE CT TEST



SCB SERIES

DISCONNECT TERMINAL BLOCKS FOR TEST AND MEASUREMENT CIRCUITS

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- configurations prepared /DD (with derivation sockets upstream and downstream of the slide link) - for voltammetric circuits
- configurations prepared /CD (with derivation sockets upstream and downstream of the slide link and sleeve for short circuit upstream of the slide link) - for amperometric circuits

(1) For the simple connection in parallel of two or more adjoining terminal blocks use the parallel skid, with the screw and sleeves, after removing the insulating wall with a simple cutter.
(2) Longitudinal and trasversal test switching terminal block. Configuration complete with test plug socket downstream and upstream the slide link, compliant with the ENEL LV 27/3 specifications.
(3) Longitudinal and trasversal test switching terminal block. Configuration complete with test plug socket upstream and a short circuit sleeve SCB/6/PO/2 or SCB/6/PO/4 type, supplied separately, downstream of the slide link, compliant with the ENEL LV 27/3 specifications.

GREY VERSION	CODE / TYPE	SB200GR SCB.6/GR	SB210GR SCB.6/DD/GR	SB220GR SCB.6/CD/GR
BEIGE VERSION	CODE / TYPE	SB200 SCB.6	SB210 SCB.6/DD	SB220 SCB.6/CD
TECHNICAL CHARACTERISTICS				
Function/type		disconnect by slide link	disconnect by slide link in special configuration for voltmetric circuits (2)	disconnect by slide link in special configuration for amperometric circuits (3)
Rated cross-section	(mm²)	6	6	6
Connecting capacity Flexible	(mm²)	0.5–10	0.5–10	0.5–10
Rigid	(mm²)	0.5–10	0.5–10	0.5–10
Max. flexible with ferrule - ferrule type	(mm²)	6–WP60/20	6–WP60/20	6–WP60/20
Electrical characteristics According to European standard IEC EN 60947-7-1 Max AC/DC Voltage	(V)	800	800	800
Max current with rated cross-section	(A)	41	41	41
Section	Caliber	A5	A5	A5
Electrical characteristics According to UL Max AC/DC Voltage	(V)	600	-	-
Max current with rated cross-section	(A)	47	-	-
Section Min - Max	(AWG)	20 - 8	-	-
Tightening torque	(lb.in)	13.3	-	-
Rated impulse withstand voltage/pollution degree		8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length	(mm)	12	12	12
Tightening torque value (test / max)	(Nm)	0.8 / 1.4	0.8 / 1.4	0.8 / 1.4
Length	(mm)	69	69	69
Width	(mm)	8	8	8
Height mounted on TH35/7,5	(mm)	65	76	77
Height mounted on TH35/15	(mm)	73	84	85
Height mounted on G32	(mm)	68	79	80
Insulation material temperature index (EN 60216-1)	(°C)	130	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS				
ACCESSORIES				
End section Grey		SCB/6/PT/GR (cod. SB201GR)	SCB/6/PT/GR (cod. SB201GR)	SCB/6/PT/GR (cod. SB201GR)
Beige		SCB/6/PT (cod. SB201)	SCB/6/PT (cod. SB201)	SCB/6/PT (cod. SB201)
Thickness	(mm)	1.5	1.5	1.5
Permanent cross connection (1)		POF/57 (cod. POF57)	POF/57 (cod. POF57)	POF/57 (cod. POF57)
Multiple common bar 250 mm		PMP/13 (cod. PMP13)	PMP/13 (cod. PMP13)	PMP/13 (cod. PMP13)
Shunting screw and sleeve		CPM/57 (cod. CPM57)	CPM/57 (cod. CPM57)	CPM/57 (cod. CPM57)
Coloured partition red		DFU/6/R (cod. DU06R)	DFU/6/R (cod. DU06R)	DFU/6/R (cod. DU06R)
Test plug socket		PSD/P (cod. PD015)	2 pcs included	1 pcs included
Test plug		SDD/2 (cod. DD002)	SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Short-circuit plate 2 poles		SCB/6/PO/2 (cod. SB203)	-	SCB/6/PO/2 (cod. SB203)
4 poles		SCB/6/PO/4 (cod. SB204)	-	SCB/6/PO/4 (cod. SB204)
Screw and sleeve for short-circuit plates black		SCB/6/CPM (cod. SB205)	-	1 pcs included
red		SCB/6/CPM/R (cod. SB205R)	-	-
Marking tag		CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
		CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

DISCONNECT TERMINAL BLOCKS FOR TEST AND MEASUREMENT CIRCUITS

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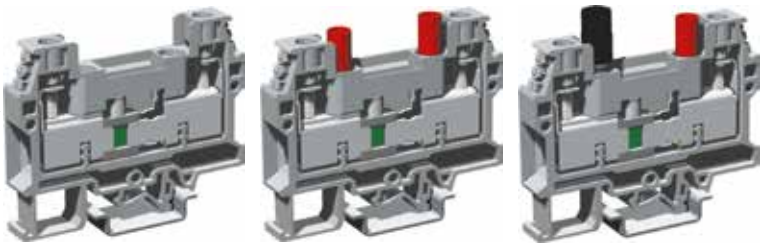
- configurations prepared /DD (with derivation sockets upstream and downstream of the slide link) - for voltammetric circuits
- configurations prepared /CD (with derivation sockets upstream and downstream of the slide link and sleeve for short circuit upstream of the slide link) - for amperometric circuits



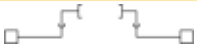
GREY VERSION	CODE / TYPE	SB400GR SCB.10/GR	SB410GR SCB.10/DD/GR	SB420GR SCB.10/CD/GR
BEIGE VERSION	CODE / TYPE	SB400 SCB.10	SB410 SCB.10/DD	SB420 SCB.10/CD
TECHNICAL CHARACTERISTICS				
Function/type		disconnect by slide link	disconnect by slide link in special configuration for voltmetric circuits	disconnect by slide link in special configuration for amperometric circuits
Rated cross-section	(mm²)	10	10	10
Connecting capacity Flexible	(mm²)	0.5–16	0.5–16	0.5–16
Connecting capacity Rigid	(mm²)	0.5–16	0.5–16	0.5–16
Connecting capacity Max. flexible with ferrule - ferrule type	(mm²)	10–WP100/21	10–WP100/21	10–WP100/21
Electrical characteristics According to European standard IEC EN 60947-7-1 Max AC/DC Voltage	(V)	1000	1000	1000
Electrical characteristics According to European standard IEC EN 60947-7-1 Max current with rated cross-section	(A)	57	57	57
Electrical characteristics According to European standard IEC EN 60947-7-1 Section	Caliber	B6	B6	B6
Electrical characteristics According to UL Max AC/DC Voltage	(V)	-	-	-
Electrical characteristics According to UL Max current with rated cross-section	(A)	-	-	-
Electrical characteristics According to UL Section Min - Max	(AWG)	-	-	-
Electrical characteristics According to UL Tightening torque	(lb.in)	-	-	-
Rated impulse withstand voltage/pollution degree		8 KV / 3	8 KV / 3	8 KV / 3
Insulation stripping length	(mm)	14	14	14
Tightening torque value (test / max)	(Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
Length	(mm)	75	-	-
Width	(mm)	10.5	10.5	10.5
Height mounted on TH35/7,5	(mm)	59.5	59.5	59.5
Height mounted on TH35/15	(mm)	67.5	67.5	67.5
Height mounted on G32	(mm)	63.5	63.5	63.5
Insulation material temperature index (EN 60216-1)	(°C)	130	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS		KEMA KEUR, RINA, Enel, Terna, EAC	KEMA KEUR, RINA, Enel, Terna, EAC	KEMA KEUR, RINA, Enel, Terna, EAC
ACCESSORIES				
End section Grey		SCB/10/PT/GR (cod. SB401GR)	SCB/10/PT/GR (cod. SB401GR)	SCB/10/PT/GR (cod. SB401GR)
End section Beige		SCB/10/PT (cod. SB401)	SCB/10/PT (cod. SB401)	SCB/10/PT (cod. SB401)
End section Thickness	(mm)	1.5	1.5	1.5
Permanent cross connection (1)		POF/56 (cod. POF56)	POF/56 (cod. POF56)	POF/56 (cod. POF56)
Multiple common bar 250 mm		PMP/56 (cod. PMP56)	PMP/56 (cod. PMP56)	PMP/56 (cod. PMP56)
Shunting screw and sleeve		CPM/56 (cod. CPM56)	CPM/56 (cod. CPM56)	CPM/56 (cod. CPM56)
Coloured partition red		DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket		PSD/L PD009	2 pcs included	1 pcs included
Test plug		SDD/2 (cod. DD002)	SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Short-circuit plate 2 poles		SCX/PO/2 (cod. SC103)	-	SCX/PO/2 (cod. SC103)
Short-circuit plate 4 poles		SCX/PO/4 (cod. SC104)	-	SCX/PO/4 (cod. SC104)
Screw and sleeve for short-circuit plates black		SCX/CPM (cod. SC105)	-	1 pcs included
Screw and sleeve for short-circuit plates red		-	-	-
Marking tag		CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Marking tag		CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
End bracket Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
End bracket Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
End bracket Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

SFR SERIES — DIODE HOLDERS TERMINAL BLOCKS

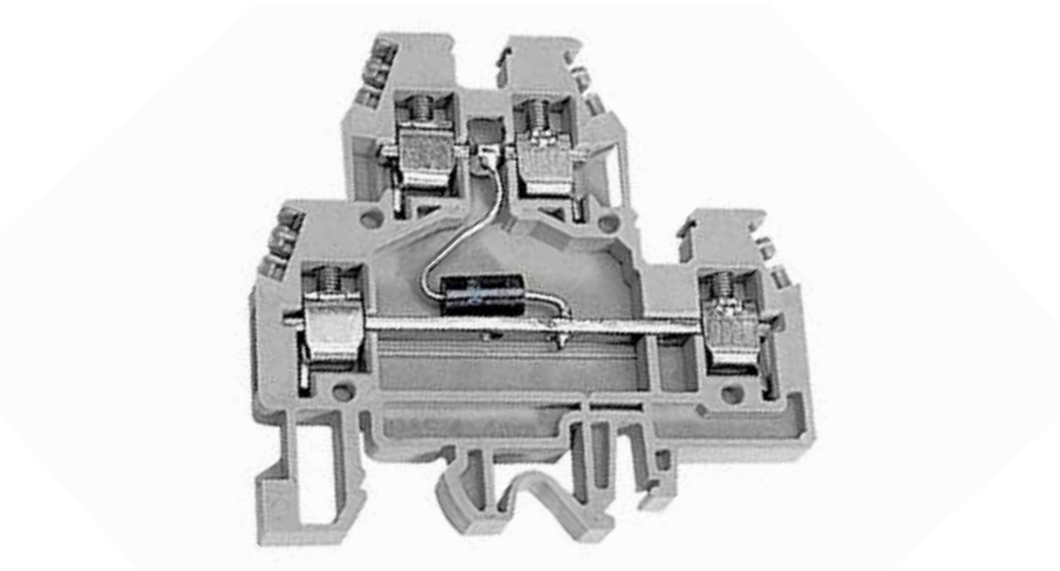
cabur

- for 1 A diodes (types 1N4001 – 1N4007)
- for 3 A diodes (type BY 255)

(1) value reffered to the insulation characteristics of the terminal block

GREY VERSION			**CODE**	**SF900GR**	**SF901GR**	**SF903GR**
			TYPE	**SFR.4/GR**	**SFR.4/D1/GR**	**SFR.4/D3/GR**
BEIGE VERSION			**CODE**	**SF900**	**SF901**	**SF903**
			TYPE	**SFR.4**	**SFR.4/D1**	**SFR.4/D3**
TECHNICAL CHARACTERISTICS						
Function/type				for 1 A or 3 A diodes	with 1 A diode	with 3 A diode
Rated cross-section			(mm²)	4	4	4
Connecting capacity	Flexible		(mm²)	0.2–6	0.2–6	0.2–6
	Rigid		(mm²)	0.2–6	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	4–WP40/16	4–WP40/16	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	800 (1)	800 (1)	800 (1)
	Max current with rated cross-section		(A)	1 / 3	1	3
	Section		Caliber	A4	A4	A4
Rated impulse withstand voltage/pollution degree				6 KV (1) / 3	6 KV (1) / 3	6 KV (1) / 3
Insulation stripping length			(mm)	11	11	11
Tightening torque value (test / max)			(Nm)	0.5 / 1.2	0.5 / 1.2	0.5 / 1.2
Length			(mm)	52	52	52
Width			(mm)	8	8	8
Height mounted on TH35/7,5			(mm)	52	52	52
Height mounted on TH35/15			(mm)	60	60	60
Height mounted on G32			(mm)	56	56	56
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS				KEMA KEUR, cULus, RINA, Enel, EAC	KEMA KEUR, Enel, RINA, EAC	KEMA KEUR, EAC, RINA
ACCESSORIES						
End section	Grey			SFR.4/PT/GR (cod. SF701GR)	SFR.4/PT/GR (cod. SF701GR)	SFR.4/PT/GR (cod. SF701GR)
	Beige			SFR.4/PT (cod. SF701)	SFR.4/PT (cod. SF701)	SFR.4/PT (cod. SF701)
	Blue			SFR.4/PT (Ex)i (cod. SF801)	SFR.4/PT (Ex)i (cod. SF801)	SFR.4/PT (Ex)i (cod. SF801)
	Thickness		(mm)	1.5	1.5	1.5
Coloured partition	red			DFU/3/R (cod. DU03R)	DFU/3/R (cod. DU03R)	DFU/3/R (cod. DU03R)
Miniature fuse				-	F5 (cod. FN...)	F5 (cod. FN...)
Cartridge / insert with 1 A diode				SFR/I1A (cod. SF992)	-	-
Cartridge / insert with 3 A diode				SFR/I3A (cod. SF993)	-	-
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS



- With cross-connection possibility
- Universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 standard
- Two and three level circuits with bidirectional suppressor diode
- Protection against overvoltage, transient, pulse jamming
- Class D protection according to standard DIN VDE 0675. 1989
- Overvoltage category <1.5 kV, I (DIN VDE 0110.1)
- Available in grey and beige

The **DAS.4...D** terminal blocks with suppressor diodes inserted as in **diagram 3**, limit voltage peaks due to surges, electrostatic discharges and switching of inductive loads, and enable the equipment to pass the tests on immunity to electromagnetic interferences defined by the EN 61000-4-2 (Electrostatic discharge), EN 61000-4-4 (Fast Transient/Burst) and EN 61000-4-5 (Surge Test) Standards. The suppressor diodes have an intervention time (<1 ns) much faster than the intervention time of varistors (approximately 25 ns) and a lower and more precise intervention voltage, but compared to these withstand lower discharge currents.

The great precision of the intervention voltage and the great speed, makes them suitable for protecting industrial PLC, DCS, PC I/O signal ports, against voltage interferences and discharge currents lower than 500A impulse 8/20µs. This type of interference is usually caused by the normal operation of the plants themselves, owing to the switching of strong inductive loads, dispersed currents, faults, etc...

The range of models available makes it possible to choose between nominal voltages suitable for protecting signals with standard voltages of 5Vdc, 12Vdc, 24Vdc and 60Vdc.
The **DAS.4...D** connected as in **diagram 4** is an effective protection against differential mode interferences for industrial PLC, DCS, PC inputs and outputs, signal conditioners and sensors, and also for stabilised direct current power supplies of electronic equipment in general.
The **DAS.4...D** does not have a signal wiring direction to be observed, as also the connection of the positive and negative polarities can be made either on the lower or the upper level.

Differential mode interference (diagram 5): these generate a great difference of potential between the two conductors of a signal (positive and negative of the twisted pair) or of a power supply, and as they are applied directly to the input/output circuits of the device, they always cause a fault in the same.

Common mode interference (diagram 6): these generate a great difference of potential between the two signal or power supply conductors and the reference earth. They are less destructive than differential mode interferences.

Caution: inserting surge protection devices with varistors, diodes and other components between the signal and/or power supply conductors and the protection earth reduces the insulation voltage approximately to the V breakdown value of the discharger used; to perform insulation tests on the equipment, disconnect the dischargers (IEC EN 60950 Standard).

Note for wiring: wiring of the power surge protection devices greatly influences their actual efficacy and we recommend following the instructions below:

- The protection device must be placed as close as possible to the equipment to be protected;
- The connection wires must be as short and straight as possible, interwoven with each other and with the largest possible cross section;
- The earth conductors between common mode dischargers and the equipotential busbar must be as short as possible and with the largest possible cross section and their path must not be parallel to other conductors. The earth of the protected equipment must be connected to the same earth of its discharger and from there to the general protection earthing.

Schema 3

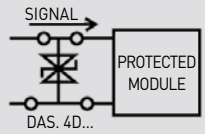


Diagram 4

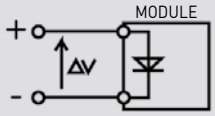


Diagram 5

Differential mode interference.
The potential difference is applied between positive and negative poles of the power supply signal.

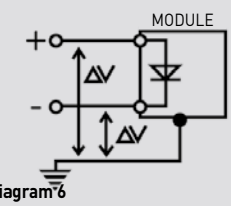


Diagram 6

Common mode interference.
The potential difference is applied between the poles of the signal/power supply unit and the earth.

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- with cross-connection possibility on lower level
- two and three level circuits with bidirectional suppressor diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 kV, I (DIN VDE 0110.1)

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	DSD005GR DAS.4/D5/GR	DSD012GR DAS.4/D12/GR
BEIGE VERSION			CODE TYPE	**DSD005** DAS.4/D5	**DSD012** DAS.4/D12
TECHNICAL CHARACTERISTICS					
Function/type				bidirectional suppressor	bidirectional suppressor
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0.2–6	0.2–6
	Rigid		(mm²)	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	4–WP40/16	4–WP40/16
Rated voltage			(V)	5	12
Vdc max.			(V)	6.45	15.2
Vac max.			(V)	-	-
Breakdown voltage(1 mA)			(V)	6.8 ± 5%	16 ± 5%
Max clamping voltage			(V)	11	23
Response time			(ns)	< 1	< 1
ISC pulse /20 µs			(A)	750	350
Capacity (1 kHz)			(nF)	5	3
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0.5 / 1.2	0.5 / 1.2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection	(1)			PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar	250 mm			PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- with cross-connection possibility on lower level
- two and three level circuits with bidirectional suppressor diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 kV, I (DIN VDE 0110.1)

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	DSD024GR DAS.4/D24/GR	DSD060GR DAS.4/D60/GR
BEIGE VERSION			CODE TYPE	DSD024 DAS.4/D24	DSD060 DAS.4/D60
TECHNICAL CHARACTERISTICS					
Function/type				bidirectional suppressor	bidirectional suppressor
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0.2–6	0.2–6
	Rigid		(mm²)	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	4–WP40/16	4–WP40/16
Rated voltage			(V)	24	60
Vdc max.			(V)	28.5	77.9
Vac max.			(V)	-	-
Breakdown voltage(1 mA)			(V)	30 ± 5%	82 ± 5%
Max clamping voltage			(V)	41	113
Response time			(ns)	< 1	< 1
ISC pulse /20 µs			(A)	160	70
Capacity (1 kHz)			(nF)	1.5	0.6
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0.5 / 1.2	0.5 / 1.2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection	(1)			PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar	250 mm			PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- two and three level circuits with varistor
- with cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 kV, I (acc. to DIN VDE 0110.1)

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	DSV024GR DAS.4/V24/GR	DSV048GR DAS.4/V48/GR
BEIGE VERSION			CODE TYPE	**DSV024** DAS.4/V24	**DSV048** DAS.4/V48
TECHNICAL CHARACTERISTICS					
Function/type				two level circuits with varistor	two level circuits with varistor
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0.2–6	0.2–6
	Rigid		(mm²)	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	4–WP40/16	4–WP40/16
Rated voltage			(V)	24	48
Vdc max.			(V)	31	85
Vac max.			(V)	25	60
Breakdown voltage(1 mA)			(V)	39 ± 10%	100 ± 10%
Max clamping voltage			(V)	77	165
Response time			(ns)	< 25	< 25
ISC pulse /20 µs			(A)	500	2500
Capacity (1 kHz)			(nF)	4600	1650
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0.5 / 1.2	0.5 / 1.2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection	(1)			PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar	250 mm			PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

The **DAS.4V...** terminal blocks with varistor inserted as in **diagram 1**, limit voltage peaks due to surges, indirect atmospheric discharges and switching of inductive loads, and enable the equipment to pass the tests on immunity to electromagnetic interferences defined by the EN 61000-4-2 (Electrostatic discharge), EN 61000-4-4 (Fast Transient/Burst) and EN 61000-4-5 (Surge Test) Standards.

Varistors have an intervention time (20-25 ns) much longer than the intervention time of suppressor diodes (<1 ns) and a higher intervention voltage, but compared to these withstand higher discharge currents. The high discharge current makes them suitable for use in the presence of strong transients, with currents of up to 4500 A impulse 8/20 s.
The range of models available makes it possible to choose between nominal voltages suitable for protecting both signals and power supplies with standard voltages of 24 V DC, 48 V DC, or for power supply voltages of 120 V AC and 230 V AC.

The **DAS.4V...** connected as in **diagram 2** is an effective protection against differential mode interferences for industrial PLC, DCS, PC inputs and outputs, signal conditioners and sensors, and also for power supplies of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to be observed, as also the connection of the positive and negative polarities can be made either on the lower or the upper level.

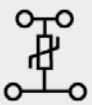


Diagram 1

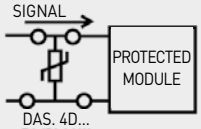


Diagram 2

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- two and three level circuits with varistor
- with cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 kV, I (acc. to DIN VDE 0110.1)

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE	DSV120GR DAS.4/V120/GR	DSV230GR DAS.4/V230/GR
BEIGE VERSION			CODE TYPE	DSV120 DAS.4/V120	DSV230 DAS.4/V230
TECHNICAL CHARACTERISTICS					
Function/type				two level circuits with varistor	two level circuits with varistor
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0.2–6	0.2–6
	Rigid		(mm²)	0.2–6	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	4–WP40/16	4–WP40/16
Rated voltage			(V)	120	230
Vdc max.			(V)	180	350
Vac max.			(V)	140	275
Breakdown voltage(1 mA)			(V)	220 ± 10%	430 ± 10%
Max clamping voltage			(V)	360	710
Response time			(ns)	< 25	< 25
ISC pulse /20 µs			(A)	2500	2500
Capacity (1 kHz)			(nF)	610	320
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0.5 / 1.2	0.5 / 1.2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS				cULus KEMA EAC RINA	cULus KEMA EAC RINA
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection	(1)			PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar	250 mm			PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

The **DAS.4V...** terminal blocks with varistor inserted as in **diagram 1**, limit voltage peaks due to surges, indirect atmospheric discharges and switching of inductive loads, and enable the equipment to pass the tests on immunity to electromagnetic interferences defined by the EN 61000-4-2 (Electrostatic discharge), EN 61000-4-4 (Fast Transient/Burst) and EN 61000-4-5 (Surge Test) Standards.

Varistors have an intervention time (20-25 ns) much longer than the intervention time of suppressor diodes (<1 ns) and a higher intervention voltage, but compared to these withstand higher discharge currents. The high discharge current makes them suitable for use in the presence of strong transients, with currents of up to 4500 A impulse 8/20 s.
The range of models available makes it possible to choose between nominal voltages suitable for protecting both signals and power supplies with standard voltages of 24 V DC, 48 V DC, or for power supply voltages of 120 V AC and 230 V AC.

The **DAS.4V...** connected as in **diagram 2** is an effective protection against differential mode interferences for industrial PLC, DCS, PC inputs and outputs, signal conditioners and sensors, and also for power supplies of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to be observed, as also the connection of the positive and negative polarities can be made either on the lower or the upper level.

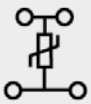


Diagram 1

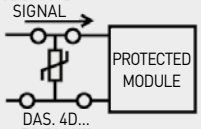


Diagram 2

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- two level circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS.4/B; other versions only lower level)


DEMONSTRATIVE IMAGE


DEMONSTRATIVE IMAGE

(1) See chapter accessories for more details
(2) The voltage and the current ratings given for the various versions are based on the various type of components and to their connections

GREY VERSION		CODE / TYPE	DS111GR DAS.4/A/GR	DS112GR DAS.4/B/GR
BEIGE VERSION		**CODE / TYPE**	**DS111 DAS.4/A**	**DS112 DAS.4/B**
TECHNICAL CHARACTERISTICS				
Function/type			protection against reversal of power supply polarity	protection against reversal of power supply polarity
Rated cross-section		(mm²)	4	4
Connecting capacity	Flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	630 (2)	630 (2)
	Max current with rated cross-section	(A)	1	1
	Section	Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Max current with rated cross-section	(A)	20	20
	Section Min - Max	(AWG)	20 - 12	20 - 12
	Tightening torque	(lb.in)	8.9	8.9
Rated impulse withstand voltage/pollution degree			- / 3	- / 3
Insulation stripping length		(mm)	9	9
Tightening torque value (test / max)		(Nm)	0,5 / 1,2	0,5 / 1,2
Length		(mm)	64	64
Width		(mm)	6	6
Height mounted on TH35/7,5		(mm)	62	62
Height mounted on TH35/15		(mm)	70	70
Height mounted on G32		(mm)	66	66
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS			KEMA KEUR EAC RINA	KEMA KEUR EAC RINA
ACCESSORIES				
End section	Grey		DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige		DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness	(mm)	1.5	1.5
Cross connection			PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection			POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar			PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve			CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red		DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket			PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip			-	-
Cover for cross-connections			PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

- two level circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS.4/B; other versions only lower level)

(1) See chapter accessories for more details
(2) The voltage and the current ratings given for the various versions are based on the various type of components and to their connections

GREY VERSION	CODE / TYPE	DS113GR DAS.4/C/GR	DS114GR DAS.4/D/GR
BEIGE VERSION	CODE / TYPE	DS113 DAS.4/C	DS114 DAS.4/D
TECHNICAL CHARACTERISTICS			
Function/type		block of extra current generated by solenoids as coils, relays, valves, supplied in DC.	block of extra current generated by solenoids as coils, relays, valves, supplied in DC.
Rated cross-section	(mm²)	4	4
Connecting capacity Flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6
Rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6
Max. flexible with ferrule - ferrule type	(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1 Max AC/DC Voltage	(V)	630 (2)	630 (2)
Max current with rated cross-section	(A)	1	1
Section	Caliber	A4	A4
Electrical characteristics According to UL Max AC/DC Voltage	(V)	-	-
Max current with rated cross-section	(A)	-	-
Section Min - Max	(AWG)	-	-
Tightening torque	(lb.in)	-	-
Rated impulse withstand voltage/pollution degree		- / 3	- / 3
Insulation stripping length	(mm)	9	9
Tightening torque value (test / max)	(Nm)	0,5 / 1,2	0,5 / 1,2
Length	(mm)	64	64
Width	(mm)	6	6
Height mounted on TH35/7,5	(mm)	62	62
Height mounted on TH35/15	(mm)	70	70
Height mounted on G32	(mm)	66	66
Insulation material temperature index (EN 60216-1)	(°C)	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0
APPROVALS		KEMA KEUR EAC RINA	KEMA KEUR cULus RINA EAC
ACCESSORIES			
End section Grey		DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
Beige		DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
Thickness	(mm)	1.5	1.5
Cross connection		PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection		POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar		PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve		CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition red		DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket		PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug		SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip		-	-
Cover for cross-connections		PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag		CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
		CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

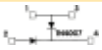
TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- two level circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS.4/B; other versions only lower level)

DEMONSTRATIVE IMAGE

DEMONSTRATIVE IMAGE

(1) See chapter accessories for more details
(2) The voltage and the current ratings given for the various versions are based on the various type of components and to their connections

GREY VERSION			CODE TYPE	DS115GR DAS.4/E/GR	DS119GR DAS.4/I/GR
BEIGE VERSION			**CODE TYPE**	**DS115 DAS.4/E**	**DS119 DAS.4/I**
TECHNICAL CHARACTERISTICS					
Function/type				For LAMP/LED test circuits	For LAMP/LED test circuits
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Rigid		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	20÷30	630 (2)
	Max current with rated cross-section		(A)	1	1
	Section		Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section Min - Max		(AWG)	-	-
	Tightening torque		(lb.in)	-	-
Rated impulse withstand voltage/pollution degree				- / 3	- / 3
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0,5 / 1,2	0,5 / 1,2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS				KEMA KEUR EAC RINA	KEMA KEUR EAC RINA
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection				PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar				PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- two level circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS.4/B; other versions only lower level)

DEMONSTRATIVE IMAGE

DEMONSTRATIVE IMAGE

(1) See chapter accessories for more details
(2) The voltage and the current ratings given for the various versions are based on the various type of components and to their connections

GREY VERSION			CODE TYPE	**DS130GR** **DAS.4/L/GR**	**DS120GR** **DAS.4/DD/GR**
BEIGE VERSION			CODE TYPE	**DS130** **DAS.4/L**	**DS120** **DAS.4/DD**
TECHNICAL CHARACTERISTICS					
Function/type				For LAMP/LED test circuits	For LAMP/LED test circuits
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Rigid		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630 (2)	630 (2)
	Max current with rated cross-section		(A)	1	1
	Section		Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section Min - Max		(AWG)	-	-
	Tightening torque		(lb.in)	-	-
Rated impulse withstand voltage/pollution degree				- / 3	- / 3
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0,5 / 1,2	0,5 / 1,2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS				KEMA KEUR EAC RINA	KEMA KEUR EAC RINA
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection				PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar				PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

- two level circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS.4/B; other versions only lower level)

DEMONSTRATIVE IMAGE

DEMONSTRATIVE IMAGE

(1) See chapter accessories for more details
(2) The voltage and the current ratings given for the various versions are based on the various type of components and to their connections

GREY VERSION			CODE TYPE	DS128GR DAS.4/T/GR	DS129GR DAS.4/U/GR
BEIGE VERSION			CODE TYPE	DS128 DAS.4/T	DS129 DAS.4/U
TECHNICAL CHARACTERISTICS					
Function/type				voltage indicator	voltage indicator
Rated cross-section			(mm²)	4	4
Connecting capacity	Flexible		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Rigid		(mm²)	0,2 ÷ 6	0,2 ÷ 6
	Max. flexible with ferrule - ferrule type		(mm²)	4 - WP40/16	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	20÷30	20÷30
	Max current with rated cross-section		(A)	1	1
	Section		Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section Min - Max		(AWG)	-	-
	Tightening torque		(lb.in)	-	-
Rated impulse withstand voltage/pollution degree				- / 3	- / 3
Insulation stripping length			(mm)	9	9
Tightening torque value (test / max)			(Nm)	0,5 / 1,2	0,5 / 1,2
Length			(mm)	64	64
Width			(mm)	6	6
Height mounted on TH35/7,5			(mm)	62	62
Height mounted on TH35/15			(mm)	70	70
Height mounted on G32			(mm)	66	66
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS				KEMA KEUR EAC RINA	KEMA KEUR EAC RINA
ACCESSORIES					
End section	Grey			DAS/PT/GR (cod. DS101GR)	DAS/PT/GR (cod. DS101GR)
	Beige			DAS/PT (cod. DS101)	DAS/PT (cod. DS101)
	Thickness		(mm)	1.5	1.5
Cross connection				PM/.../... (cod. PM...)	PM/.../... (cod. PM...)
Switchable cross connection				POS/43 (cod. POS43)	POS/43 (cod. POS43)
Multiple common bar				PMP/58 (cod. PMP58)	PMP/58 (cod. PMP58)
Shunting screw and sleeve				CPM/01 (cod. CPM01)	CPM/01 (cod. CPM01)
Coloured partition	red			DFU/7/R (cod. DU07R)	DFU/7/R (cod. DU07R)
Test plug socket				PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				-	-
Cover for cross-connections				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH SPECIAL CONNECTIONS

- with flat push-on tab connections
- 6.3 x 0.8 mm flat push-on tab connections compliant with the IEC 60760 Standard

(1) See chapter accessories for more details

GREY VERSION			CODE TYPE		
BEIGE VERSION			CODE TYPE	**AF500** AF0.2/1+1	**AF400** AF0.2/2+2
TECHNICAL CHARACTERISTICS					
Function/type				feed-through with push-on tab connections - separate levels	feed-through with push-on tab connections
Rated cross-section			(mm²)	2.5	2.5
Connecting capacity	Flexible		(mm²)	up to 2.5	up to 2.5
	Rigid		(mm²)	-	-
	Max. flexible with ferrule - ferrule type		(mm²)	-	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	400	630
	Max current with rated cross-section		(A)	20	20
	Section		Caliber	-	-
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	300	600
	Max current with rated cross-section		(A)	15	15
	Section Min - Max		(AWG)	-	-
	Tightening torque		(lb.in)	-	-
Rated impulse withstand voltage/pollution degree				4 KV / 3	6 KV / 3
Insulation stripping length			(mm)	-	-
Tightening torque value (test / max)			(Nm)	-	-
Length			(mm)	44	44
Width			(mm)	6.5	6.5
Height mounted on TH35/7,5			(mm)	49	49
Height mounted on TH35/15			(mm)	57	57
Height mounted on G32			(mm)	52	52
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			-	-
	Beige			AF0/PT (cod. AF201)	AF0/PT (cod. AF201)
	Blue			-	-
	Thickness		(mm)	1.5	1.5
Cross connection	PTC version (1)			-	-
	PTP version (1)			-	-
	Rated current		(A)	-	-
Cross-connection identification strip	green			-	-
Multiple common bar				-	-
Shunting screw and sleeve				-	-
Coloured partition	red			DFU/1/R (cod. DU01R)	DFU/1/R (cod. DU01R)
Perforated barrier	Grey			-	-
	Beige			-	-
Cross connection barrier	red			-	-
Cover for cabel lugs				-	-
Flange				-	-
Test plug socket				-	-
Test plug				-	-
Numbering strip				-	-
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH SPECIAL CONNECTIONS

cabur

- with flat push-on tab connections
- 6.3 x 0.8 mm flat push-on tab connections compliant with the IEC 60760 Standard

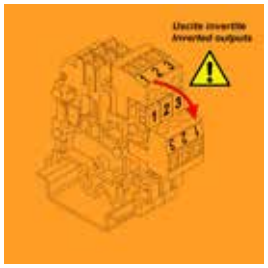
(1) See chapter accessories for more details

GREY VERSION			CODE / TYPE	PF100GR PDF.2/GR	FD100GR FDP.2/GR	CV100GR CVF.4/GR
BEIGE VERSION			CODE / TYPE	**PF100 PDF.2**	**FD100 FDP.2**	**CV100 CVF.4**
TECHNICAL CHARACTERISTICS						
Function/type				feed-through for push-on tab connections	feed-through for push-on tab connections	feed-through 1 screw and 3-push-on connections
Rated cross-section			(mm²)	2.5	2.5	4
Connecting capacity	Flexible		(mm²)	up to 2.5	up to 2.5	up to 2.5
	Rigid		(mm²)	-	-	-
	Max. flexible with ferrule - ferrule type		(mm²)	-	-	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	630	800	800
	Max current with rated cross-section		(A)	20	20	20
	Section		Caliber	-	-	-
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	-
	Max current with rated cross-section		(A)	16	16	20
	Section Min - Max		(AWG)	20-10	20-10	20-10
	Tightening torque		(lb.in)	-	-	-
Rated impulse withstand voltage/pollution degree				6 KV / 3	8 KV / 3	6 KV / 3
Insulation stripping length			(mm)	-	-	11
Tightening torque value (test / max)			(Nm)	-	-	0,5 / 1,2
Length			(mm)	57	65.5	48.5
Width			(mm)	6.5	6.5	6
Height mounted on TH35/7,5			(mm)	50	49	52
Height mounted on TH35/15			(mm)	58	57	60
Height mounted on G32			(mm)	54	53	56
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			PDF/PT/GR (cod. PF101GR)	FDP/PT/GR (cod. FD101GR)	CVF/PT/GR (cod. CV101GR)
	Beige			PDF/PT (cod. PF101)	FDP/PT (cod. FD101)	CVF/PT (cod. CV101)
	Blue			-	-	CVF/PT (Ex)i (cod. CV201)
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	PTC version (1)			-	PH/2.5-4 (cod. PH100)	PM/.../... (cod. PM...)
	PTP version (1)			-	-	
	Rated current		(A)	-	-	-
Cross-connection identification strip	green			-	-	-
Multiple common bar				-	-	PMP/58 (cod. PMP58)
Shunting screw and sleeve				-	-	CPM/12 (cod. CPM12)
Coloured partition	red			DFU/5/R (cod. DU05R)	DFU/5/R (cod. DU05R)	DFU/3/R (cod. DU03R)
Perforated barrier	Grey			-	-	-
	Beige			-	-	-
Cross connection barrier	red			-	-	-
Cover for cabel lugs				-	-	-
Flange				-	-	-
Test plug socket				-	-	PSD/A (cod. PD001)
Test plug				-	-	SDD/1 (cod. DD001)
Numbering strip				-	-	CNU/8/61/S (cod. NU0861S)
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32			BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35			BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35			BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32			BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

TERMINAL BLOCKS WITH SPECIAL CONNECTIONS

cabur

- for female connectors pitch 5.08 mm
- double possible insertion of the "Easy Bridge" multi-polar connection - PTC cross connection



(1) See chapter accessories for more details
For the isolation figures with cross connections refer to the table on page 131

GREY VERSION	CODE	VP300GR
	TYPE	VPC.2/GR
BLUE VERSION	CODE	VP310
	TYPE	VPC.2 (EX)I

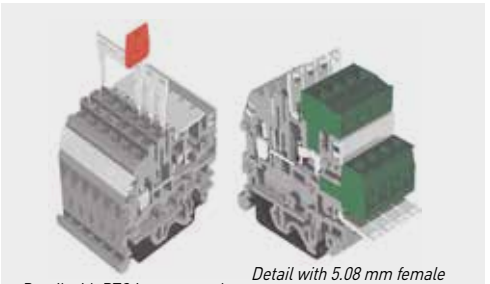
TECHNICAL CHARACTERISTICS

Function/type			1 screw connection and 2 pins or female connectors
Rated cross-section		(mm²)	1.5
Connecting capacity	Flexible	(mm²)	0.2–4
	Rigid	(mm²)	0.2–4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	320
	Max current with rated cross-section	(A)	24 - 12
	Section	Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	15
	Section Min - Max	(AWG)	20-14
	Tightening torque	(lb.in)	5.5
Rated impulse withstand voltage/pollution degree			4 KV / 3
Insulation stripping length		(mm)	9
Tightening torque value (test / max)		(Nm)	0,4 / 0,8
Length		(mm)	44
Width		(mm)	5.08
Height mounted on TH35/7,5		(mm)	51
Height mounted on TH35/15		(mm)	59
Height mounted on G32		(mm)	55
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		VPC/PT/GR (cod. VP101GR)
	Beige		VPC/PT (cod. VP101)
	Blue		VPC/PT (Ex)i (cod. VP201)
	Thickness	(mm)	3
Cross connection	PTC version (1)		PTC/2/... (cod. PTC02...)
	PTP version (1)		
	Rated current	(A)	24
Cross-connection identification strip	green		PTC/SP (cod. PTC0990)
Multiple common bar			-
Shunting screw and sleeve			-
Coloured partition	red		DFU/5/R (cod. DU05R)
Perforated barrier	Grey		DF/VPC/GR (cod. DU02SGR)
	Beige		DF/VPC (cod. DU02S)
Cross connection barrier	red		DFM/300 (cod. DF300)
Cover for cabel lugs			VPC/VT (cod. VP102)
Flange			VPC/PTF (cod. VP303)
Test plug socket			-
Test plug			-
Numbering strip			-
Marking tag			CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)



Detail with PTC jumpers and barriers

Detail with 5.08 mm female connectors and lug protection covers in up position

5.08 mm pitch female connectors are available – 90°, with number of poles from 2 up to 16. The connector is easily inserted pressing it up to the stop position, guaranteeing optimal connection on the male contact. In this position the connector is hooked onto the insulating body with the holding tooth with which it is fitted.

VPC/F02	2 poles	Cat. No.	**VP902**
VPC/F03	3 poles	Cat. No.	**VP903**
VPC/F04	4 poles	Cat. No.	**VP904**
VPC/F05	5 poles	Cat. No.	**VP905**
VPC/F06	6 poles	Cat. No.	**VP906**
VPC/F07	7 poles	Cat. No.	**VP907**
VPC/F08	8 poles	Cat. No.	**VP908**
VPC/F09	9 poles	Cat. No.	**VP909**
VPC/F10	10 poles	Cat. No.	**VP910**
VPC/F11	11 poles	Cat. No.	**VP911**
VPC/F12	12 poles	Cat. No.	**VP912**
VPC/F13	13 poles	Cat. No.	**VP913**
VPC/F14	14 poles	Cat. No.	**VP914**
VPC/F15	15 poles	Cat. No.	**VP915**
VPC/F16	16 poles	Cat. No.	**VP916**

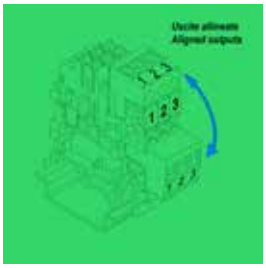
VPC/PTF
Flange for the securing of female connectors provided with locking screws onto the terminal board

DF/VPC
reduced pitch end section for the separation of different groups

For even more secure fixing of the connector it is possible to use connectors specifically fitted with locking screws on the side. In this case it is necessary to place a VPC/PTF (code VP303) flange alongside, to the right and left of the block of VPC.2 terminal blocks. If the set thus made up proposes a flange with external connection stalks it is necessary to add a VPC/PT terminal plate, or to eliminate the stalks themselves using a cutter. For reasons of safety the connectors must be handled only in the absence of load. Use of the barrier DF/VPC (code DU02S), for physical and/or visual separation of blocks of terminal blocks, does not affect the possibility of creating parallel cross connections.
The terminal block can be supplied also in the version with a warning light (VPC/L024). In this case a collector bar (dimensions 7 x 1 x 250 mm), for the common return of a LED (red – 24V), must be inserted in the specific seat on the side of the insulating body of the group of terminal blocks side-by-side and connected via a power supply terminal block VPC.2 (Ex)i/D (code VP400). The power supply terminal block VPC.2 (Ex)i/D is a variant of the VPC.2(Ex)i terminal block equipped with a diode 1N4007. A transparent cover to protect the male shanks from accidental contacts is supplied as an accessory (VPC/VT code VP102) in a 10-pole stick, easily dividable to obtain the number of poles necessary. It snaps into the special seat provided on the insulating bar; the insertion point works as a fulcrum for the rotation of the protection from the closed position (position which is guaranteed by a stopper) to open (for inserting the connector). It is made of transparent material to ensure a view of both the connection type (closed pos.) and the LED, in open position and with the connector inserted.

TERMINAL BLOCKS WITH SPECIAL CONNECTIONS

- for female connectors pitch 5.08 mm
- double possible insertion of the "Easy Bridge" multi-polar connection - PTC cross connection



(1) See chapter accessories for more details
For the isolation figures with cross connections refer to the table on page 131

GREY VERSION		**CODE**	**VP300SGR**
		TYPE	**VPC.2/S/GR**
BLUE VERSION		**CODE**	**VP310S**
		TYPE	**VPC.2/S (EX)I**

TECHNICAL CHARACTERISTICS

Function/type			1 screw connection and 2 pins or female connectors
Rated cross-section		(mm²)	1.5
Connecting capacity	Flexible	(mm²)	0.2–4
	Rigid	(mm²)	0.2–4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	320
	Max current with rated cross-section	(A)	24 - 12
	Section	Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	15
	Section Min - Max	(AWG)	20-14
	Tightening torque	(lb.in)	5.5
Rated impulse withstand voltage/pollution degree			4 KV / 3
Insulation stripping length		(mm)	9
Tightening torque value (test / max)		(Nm)	0,4 / 0,8
Length		(mm)	44
Width		(mm)	5.08
Height mounted on TH35/7,5		(mm)	51
Height mounted on TH35/15		(mm)	59
Height mounted on G32		(mm)	55
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		VPC/PT/GR (cod. VP101GR)
	Beige		VPC/PT (cod. VP101)
	Blue		VPC/PT (Ex)i (cod. VP201)
	Thickness	(mm)	3
Cross connection	PTC version (1)		PTC/2/... (cod. PTC02...)
	PTP version (1)		
	Rated current	(A)	24
Cross-connection identification strip	green		PTC/SP (cod. PTC0990)
Multiple common bar			-
Shunting screw and sleeve			-
Coloured partition	red		DFU/5/R (cod. DU05R)
Perforated barrier	Grey		DF/VPC/GR (cod. DU02SGR)
	Beige		DF/VPC (cod. DU02S)
Cross connection barrier	red		DFM/300 (cod. DF300)
Cover for cabel lugs			VPC/VT (cod. VP102)
Flange			VPC/PTF (cod. VP303)
Test plug socket			-
Test plug			-
Numbering strip			-
Marking tag			CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)

Detail with PTC jumpers and barriers

Detail with 5.08 mm female connectors and lug protection covers in up position

5.08 mm pitch female connectors are available – 90°, with number of poles from 2 up to 16. The connector is easily inserted pressing it up to the stop position, guaranteeing optimal connection on the male contact. In this position the connector is hooked onto the insulating body with the holding tooth with which it is fitted.

VPC/F02	2 poles	Cat. No.	**VP902**
VPC/F03	3 poles	Cat. No.	**VP903**
VPC/F04	4 poles	Cat. No.	**VP904**
VPC/F05	5 poles	Cat. No.	**VP905**
VPC/F06	6 poles	Cat. No.	**VP906**
VPC/F07	7 poles	Cat. No.	**VP907**
VPC/F08	8 poles	Cat. No.	**VP908**
VPC/F09	9 poles	Cat. No.	**VP909**
VPC/F10	10 poles	Cat. No.	**VP910**
VPC/F11	11 poles	Cat. No.	**VP911**
VPC/F12	12 poles	Cat. No.	**VP912**
VPC/F13	13 poles	Cat. No.	**VP913**
VPC/F14	14 poles	Cat. No.	**VP914**
VPC/F15	15 poles	Cat. No.	**VP915**
VPC/F16	16 poles	Cat. No.	**VP916**

VPC/PTF
Flange for the securing of female connectors provided with locking screws onto the terminal board

DF/VPC
reduced pitch end section for the separation of different groups

For even more secure fixing of the connector it is possible to use connectors specifically fitted with locking screws on the side. In this case it is necessary to place a VPC/PTF (code VP303) flange alongside, to the right and left of the block of VPC.2 terminal blocks. If the set thus made up proposes a flange with external connection stalks it is necessary to add a VPC/PT terminal plate, or to eliminate the stalks themselves using a cutter. For reasons of safety the connectors must be handled only in the absence of load. Use of the barrier DF/VPC (code DU02S), for physical and/or visual separation of blocks of terminal blocks, does not affect the possibility of creating parallel cross connections.
The terminal block can be supplied also in the version with a warning light (VPC/L024). In this case a collector bar (dimensions 7 x 1 x 250 mm), for the common return of a LED (red – 24V), must be inserted in the specific seat on the side of the insulating body of the group of terminal blocks side-by-side and connected via a power supply terminal block VPC.2 (Ex)i/D (code VP400). The power supply terminal block VPC.2 (Ex)i/D is a variant of the VPC.2(Ex)i terminal block equipped with a diode 1N4007. A transparent cover to protect the male shanks from accidental contacts is supplied as an accessory (VPC/VT code VP102) in a 10-pole stick, easily dividable to obtain the number of poles necessary. It snaps into the special seat provided on the insulating bar; the insertion point works as a fulcrum for the rotation of the protection from the closed position (position which is guaranteed by a stopper) to open (for inserting the connector). It is made of transparent material to ensure a view of both the connection type (closed pos.) and the LED, in open position and with the connector inserted.

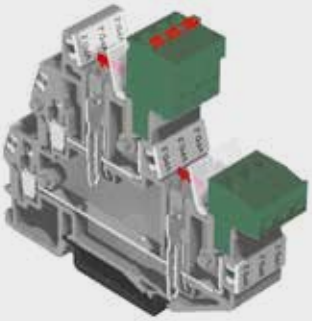
TERMINAL BLOCKS WITH SPECIAL CONNECTIONS

- for female connectors pitch 5.08 mm – on 2 levels
- double possible insertion of the "Easy Bridge" multi-polar connection - PTC cross connection

(1) See chapter accessories for more details

GREY VERSION		**CODE**	**VP500GR**
		TYPE	**VPD.2/GR**
BLUE VERSION		**CODE**	**VP560**
		TYPE	**VPD.2 (EX)I**
TECHNICAL CHARACTERISTICS			
Function/type			2 level feed-through with 2 screw connections and 2 pins for connectors
Rated cross-section		(mm²)	1
Connecting capacity	Flexible	(mm²)	0.2–4
	Rigid	(mm²)	0.2–4
	Max. flexible with ferrule - ferrule type	(mm²)	2.5–WP25/14
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	320
	Max current with rated cross-section	(A)	24 - 12
	Section	Caliber	A3
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	300
	Max current with rated cross-section	(A)	15
	Section Min - Max	(AWG)	26-12
	Tightening torque	(lb.in)	3.5
Rated impulse withstand voltage/pollution degree			4 KV / 3
Insulation stripping length		(mm)	9
Tightening torque value (test / max)		(Nm)	0,4 / 0,8
Length		(mm)	74
Width		(mm)	5.08
Height mounted on TH35/7,5		(mm)	64
Height mounted on TH35/15		(mm)	72
Height mounted on G32		(mm)	-
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0
APPROVALS			
ACCESSORIES			
End section	Grey		VPD/PT/GR (cod. VP501GR)
	Beige		VPD/PT (cod. VP501)
	Blue		VPD/PT (Ex)i (cod. VP561)
	Thickness	(mm)	3
Cross connection	PTC version (1)		PTC/2/... (cod. PTC02...)
	PTP version (1)		
	Rated current	(A)	24
Cross-connection identification strip	green		PTC/SP (cod. PTC0990)
Multiple common bar			-
Shunting screw and sleeve			-
Coloured partition	red		DFU/7/R (cod. DU07R)
Perforated barrier	Grey		-
	Beige		-
Cross connection barrier	red		DFM/300 (cod. DF300)
Cover for cabel lugs			VPD/VT (cod. VP502)
Flange			-
Test plug socket			-
Test plug			-
Numbering strip			-
Marking tag			CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		-

For the isolation figures with cross connections refer to the table on page 131



Detail with 5.08 mm female connectors inserted on the two levels, the lug protection covers raised and the PTCs inserted on the two levels.

5.08 mm pitch - 90° female connectors are available, with from 2 up to 16 poles. The connector is easily inserted pressing it up to the stop position, guaranteeing optimal connection on the male contact. In this position the connector is hooked onto the insulating body with the holding tooth, with which it is fitted.

VPC/F02	2 poles	Cat. No.	**VP902**
VPC/F03	3 poles	Cat. No.	**VP903**
VPC/F04	4 poles	Cat. No.	**VP904**
VPC/F05	5 poles	Cat. No.	**VP905**
VPC/F06	6 poles	Cat. No.	**VP906**
VPC/F07	7 poles	Cat. No.	**VP907**
VPC/F08	8 poles	Cat. No.	**VP908**
VPC/F09	9 poles	Cat. No.	**VP909**
VPC/F10	10 poles	Cat. No.	**VP910**
VPC/F11	11 poles	Cat. No.	**VP911**
VPC/F12	12 poles	Cat. No.	**VP912**
VPC/F13	13 poles	Cat. No.	**VP913**
VPC/F14	14 poles	Cat. No.	**VP914**
VPC/F15	15 poles	Cat. No.	**VP915**
VPC/F16	16 poles	Cat. No.	**VP916**

FOR THERMOCOUPLES

cabur

• for thermocouple circuits

CESI 01 ATEX 090 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0009U
Ex eb I Mb
Ex eb IIC Gb

BEIGE VERSION		**CODE**	**TC500**
		TYPE	**TC/PO**
GREY VERSION		**CODE**	**TC500GR**
		TYPE	**TC/PO/GR**
BLUE VERSION		**CODE**	**TC510**
		TYPE	**TC/PO (EX)I**

TECHNICAL CHARACTERISTICS

Function/type			for thermocouple circuits
Rated cross-section		(mm^2)	-
Connecting capacity	Flexible	(mm^2)	-
	Rigid	(mm^2)	Ø 0.8–1.3 mm thermocouples
	Max. flexible with ferrule - ferrule type	(mm^2)	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	800
	Max current with rated cross-section	(A)	-
	Section	Caliber	-
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600
	Max current with rated cross-section	(A)	15
	Section Min - Max	(AWG)	20 - 14
	Tightening torque	(lb.in)	5.5
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	400 / 630
	Max current with rated cross-section	(A)	<1
	Operating temperature	(°C)	-40 +110
Rated impulse withstand voltage/pollution degree			8 KV / 3
Insulation stripping length		(mm)	13
Tightening torque value (test / max)		(Nm)	0,4 / 0,8
Length		(mm)	40.5
Width		(mm)	5.5
Height mounted on TH35/7,5		(mm)	47
Height mounted on TH35/15		(mm)	55
Height mounted on G32		(mm)	51
Insulation material temperature index (EN 60216-1)		(°C)	130
Plastic material			polyamide UL94V-0

APPROVALS

ACCESSORIES

End section	Grey		CB2/PT (cod. CB111)
	Beige		CB2/PT/GR (cod. CB111GR)
	Blue		CB2/PT (Ex)i (cod. CBX13)
	Thickness	(mm)	1.5
Coloured partition	red		DFU/1/R (cod. DU01R)
Marking tag			CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)

Terminal block suitable for connecting any type of conductor for thermocouple circuits. In fact it is possible, thanks to the excellent electrical contact that results from it, **to clamp thermocouples of any type without interposing any compensation material.**
Besides the management of a single article, this solution permits the reduction of the contact points in the overall circuit.
The range of diameters of the conductors connectable, to make the connection in question fully effective and permanent, must be between 0.8 and 1.3 mm.
The thermocouple circuits, also of a different diameter, stripped of the insulating sleeve for a length of 20 mm, must be placed one on top of another in the terminal block so as to enable the direct passage of thermoelectric E.M.F. without going through a metal body, as happens in normal circuits.
With the double clamping, ensured by two screws and by the interposition of the pressure plate, the possibility of EMFs determined by the non-uniformity of the contacts is reduced almost to zero.

MINI TERMINAL BLOCKS

cabur

CESI 03 ATEX 073 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 11.0009U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

GREY VERSION			CODE	RN300GR	RN500GR	RP300GR
			TYPE	RN.1/GR	RN.2/GR	RP.4/GR
BLUE VERSION			CODE	RN400	RN510	RP400
			TYPE	RN.1 (EX)I	RN.2 (EX)I	RP.4 (EX)I
TECHNICAL CHARACTERISTICS						
Function/type				feed-through	feed-through	feed-through
Rated cross-section			(mm²)	1.5	2.5	4
Connecting capacity	Flexible		(mm²)	0.2–2.5	0.2–4	0.2–6
	Rigid		(mm²)	0.2–2.5	0.2–4	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	1.5–WP15/14	2.5–WP25/14	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage		(V)	500	500	630
	Max current with rated cross-section		(A)	17.5	24	32
	Section		Caliber	A1	A3	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	600	600	600
	Max current with rated cross-section		(A)	15	20	30
	Section Min - Max		(AWG)	26-14	20–12	20–12
	Tightening torque		(lb.in)	4.5	3.5	4.4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail		(V)	-	320	320
	Max current with rated cross-section		(A)	-	24	32
	Operating temperature		(°C)	-	-40 +110	-40 +110
Rated impulse withstand voltage/pollution degree				6 KV / 3	6 KV / 3	6 KV / 3
Insulation stripping length			(mm)	8	8	9
Tightening torque value (test / max)			(Nm)	0.4 / 0.8	0.4 / 0.8	0.5 / 1.2
Length			(mm)	27	27	31
Width			(mm)	4.2	5	6
Height mounted on TH15 / 5.5			(mm)	32	32	35
Insulation material temperature index (EN 60216-1)			(°C)	130	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS						
ACCESSORIES						
End section	Grey			RFN/PT/GR (cod. RF101GR)	RFN/PT/GR (cod. RF101GR)	RP4/PT/GR (cod. RP301GR)
	Blue			RFN/PT (Ex)i (cod. RF201)	RFN/PT (Ex)i (cod. RF201)	RP4/PT (Ex)i (cod. RP401)
	Thickness		(mm)	1.5	1.5	1.5
Cross connection	(1)			PM/11/... (cod. PM11...)	PM/12/... (cod. PM12...)	PM/.../... (cod. PM...)
Multiple common bar	250mm			PMP/16 (cod. PMP16)	PMP/25 (cod. PMP25)	PMP/58 (cod. PMP58)
Shunting screw and sleeve (same, Ex e version)				CPM/16 (cod. CPM16)	CPM/16 (cod. CMP16) - CPX/16 (cod. CPX16)	CPM/01 (cod. CPM01) - CPX/01 (cod. CPX01)
Coloured partition	red			DFP/2/R (cod. DFP2R)	DFP/2/R (cod. DFP2R)	DFP/2/R (cod. DFP2R)
Test plug socket				PSD/K (cod. PD011)	PSD/A (cod. PD001)	PSD/A (cod. PD001)
Test plug				SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Numbering strip				SNZ/4 (cod. SN008)	CNU/8/51 (cod. NU0851S)	CNU/8/61 (cod. NU0861S)
Warning plate				TQM/02 (cod. TQM02)	-	-
Cover for cross-connection				PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)	PRP/5 (cod. PRP05)
Marking tag				Please Contact Cabur	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				-	-	-
End bracket	Screw TH15			BT/2 (cod. BT006)	BT/2 (cod. BT006)	BT/2 (cod. BT006)

CESI 03 ATEX 022 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 11.0004U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details

YELLOW/GREEN VERSION			CODE	TR110	TR200
			TYPE	TR.2	TR.4
TECHNICAL CHARACTERISTICS					
Function/type				earth	earth
Rated cross-section			(mm²)	2.5	4
Connecting capacity	Flexible		(mm²)	0.2–4	0.2–6
	Rigid		(mm²)	0.2–4	0.2–6
	Max. flexible with ferrule - ferrule type		(mm²)	2.5–WP25/14	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section		Caliber	A3	A4
Electrical characteristics According to UL	Max AC/DC Voltage		(V)	-	-
	Max current with rated cross-section		(A)	-	-
	Section Min - Max		(AWG)	20–12	20–10
	Tightening torque		(lb.in)	3.5	5.5
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail		(V)	-	-
	Max current with rated cross-section		(A)	24	32
	Operating temperature		(°C)	-40 +110	-40 +110
Rated impulse withstand voltage/pollution degree				6 KV / 3	6 KV / 3
Insulation stripping length			(mm)	8	9
Tightening torque value (test / max)			(Nm)	0.4 / 0.8	0.5 / 1.2
Length			(mm)	32	35
Width			(mm)	5	7.3
Height mounted on TH15 / 5.5			(mm)	32	35
Insulation material temperature index (EN 60216-1)			(°C)	130	130
Plastic material				polyamide UL94V-0	polyamide UL94V-0
APPROVALS					
ACCESSORIES					
End section	Grey			TR.2/PT (cod. TR111)	-
	Blue			-	-
	Thickness		(mm)	1.5	-
Cross connection	(1)			-	-
Multiple common bar	250mm			-	-
Shunting screw and sleeve (same, Ex e version)				-	-
Coloured partition	red			DFP/2/R (cod. DFP2R)	DFP/2/R (cod. DFP2R)
Test plug socket				-	-
Test plug				-	-
Numbering strip				CNU/8/51 (cod. NU0851S)	-
Warning plate				-	-
Cover for cross-connection				-	-
Marking tag				CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
				CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Screw TH15			BT/2 (cod. BT006)	BT/2 (cod. BT006)

MODULAR MULTI-POLE TERMINAL BLOCKS

cabur

- to be fixed directly on panel, by means of screws

CESI 03 ATEX 164 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 11.0008U
Ex eb I Mb
Ex eb IIC Gb

(1) when using BPL.4 and TPL.4 terminal blocks in Ex e classified installations, the use of the insulated fixing screw is required.

BEIGE VERSION		CODE TYPE	BP100 BPL.4	TP100 TPL.4	BP200 BPL/R
TECHNICAL CHARACTERISTICS					
Function/type			two-pole	three-pole	two-pole reduced pitch
Rated cross-section		(mm²)	4	4	4
Connecting capacity	Flexible	(mm²)	0.5–6	0.5–6	0.5–6
	Rigid	(mm²)	0.5–6	0.5–6	0.5–6
	Max. flexible with ferrule - ferrule type	(mm²)	4–WP40/16	4–WP40/16	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	500	500
	Max current with rated cross-section	(A)	32	32	32
	Section	Caliber	A4	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	300	300	300
	Max current with rated cross-section	(A)	20	20	20
	Section Min - Max	(AWG)	12–18	12–18	12–18
	Tightening torque	(lb.in)	4.4	4.4	4.4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	320	320	320
	Max current with rated cross-section	(A)	32	32	32
	Operating temperature	(°C)	-40+110	-40+110	-40+110
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	9	9	9
Tightening torque value (test / max)		(Nm)	0.5 / 0.7	0.5 / 0.7	0.5 / 0.7
Width		(mm)	20	30	13
Length		(mm)	24	24	24
Height		(mm)	26	26	26
Fixing screws	(1)		M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)	-
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS					

NORMAL COMPOSITIONS		
Number of poles	**BPL.4 and TPL.4 configurations**	**Total length (mm)**
2	B	**20**
3	T	**30**
4	B+B	**40**
5	B+T	**50**
6	T+T	**60**
7	B+T+B	**70**
8	T+B+T	**80**
9	T+T+T	**90**
10	T+B+B+T	**100**
12	T+T+T+T	**120**
14	T+T+B+T+T	**140**
15	T+T+T+T+T	**150**
16	T+T+B+B+T+T	**160**
18	T+T+T+T+T+T	**180**
20	T+T+T+B+T+T+T	**200**

The bipolar BPL.4, BPL/R and tripolar TPL.4 terminal boards can be fixed separately or used to lock together terminal boards with an unlimited number of poles without using supporting rails. The special "dovetail" channels, ensuring the maximum compactness of assembly, make sufficient the use of only two screws for fixing, at the end of the terminal board. The BPL.4, BPL/R and TPL.4 terminal boards are made ready for marking with NU0550-type name tags.

(*) NOTE:
when using BPL.4 and TPL.4 terminal blocks in Ex e classified installations, the use of the insulated fixing screw is required.

MODULAR MULTI-POLE TERMINAL BLOCKS

- /PS versions have one screw connection and one flat plug feed-through shank (2.3x0.8 mm) usable also for welding
- to be fixed directly on panel, by means of screws

BEIGE VERSION		CODE TYPE	BP300 BPL.4/PS	TP200 TPL.4/PS
TECHNICAL CHARACTERISTICS				
Function/type			version with special connections (two-pole)	version with special connections (three-pole)
Rated cross-section		(mm²)	4	4
Connecting capacity	Flexible	(mm²)	0.5–6	0.5–6
	Rigid	(mm²)	0.5–6	0.5–6
	Max. flexible with ferrule - ferrule type	(mm²)	4–WP40/16	4–WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	500
	Max current with rated cross-section	(A)	32	32
	Section	Caliber	A4	A4
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	300	300
	Max current with rated cross-section	(A)	20	20
	Section Min - Max	(AWG)	12–18	12–18
	Tightening torque	(lb.in)	4.4	4.4
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	-	-
	Max current with rated cross-section	(A)	-	-
	Operating temperature	(°C)	-	-
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Insulation stripping length		(mm)	9	9
Tightening torque value (test / max)		(Nm)	0.5 / 0.7	0.5 / 0.7
Width		(mm)	20	30
Length		(mm)	24	24
Height		(mm)	36	36
Fixing screws	(1)		M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0
APPROVALS				

NORMAL COMPOSITIONS		
Number of poles	**BPL.4 and TPL.4 configurations**	**Total length (mm)**
6	B+R+B	**53**
8	B+R+R+B	**66**
10	B+R+R+R+B	**79**
12	B+R+R+R+R+B	**92**
14	B+R+R+R+R+R+B	**105**
16	B+R+R+R+R+R+R+B	**118**
18	B+R+R+R+R+R+R+R+B	**131**
20	B+R+R+R+R+R+R+R+R+B	**144**

PS versions, equipped with solder connections are also available in the following configurations:

- **BPL.4/PS (Cat. No. BP300) - TPL.4/PS (Cat. No. TP200)** equipped with screw connections on the opposite side from the solder connections
- **BPL.4/PS/A (Cat. No. BP310) - TPL.4/PS/A (Cat. No. TP210)** equipped with screw connections on the same side as the solder connections

MULTI-POLE TERMINAL BOARDS

- with 6.3 x 0.8 mm flat push-on tab connections (2 for each pole)
- singular or overlapped mounting

BEIGE VERSION WITHOUT END PLATE		**CODE**	**CF100**	**CF200**
		TYPE	**CF.12/1+1**	**CF.12/2+2**
BEIGE VERSION WITH END PLATE		**CODE**	**CF900**	
		TYPE	**CF.12/CPT**	

TECHNICAL CHARACTERISTICS

Function/type			feed- through	feed- through
Rated cross-section		(mm²)	2.5	2.5
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	500
	Max current with rated cross-section	(A)	20	20
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Length		(mm)	109	109
Width		(mm)	34	34
Height		(mm)	16.5	24
Fixing distance between centers			69.5	69.5
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			polyamide UL94V-0	polyamide UL94V-0

APPROVALS

ACCESSORIES			
Upper end section	of beige polyamide	CF/PT	-
Insulating bushing	of beige polyamide	CF/BI	CF/BI
Reduced bushing	made of polyamide	-	CF/BR

The **CF.12/1+1** terminal boards can be mounted singularly or one on top of another. In both cases the single terminal board or the terminal board located at the top of the group must be closed with the CF/PT end platelet (thickness 4 mm). Fixing to the panel beneath can be done using:

- screws of an adequate length **(spacing between holes 69.5 mm)**
- M4 **threaded tension rods**

To ensure the maximum insulation from earth and correct mounting of the stacked terminal boards it is necessary to insert the special bushings CF/BI in the holes on the body of the bases. Bushings between the terminal board and the end platelet are not required because the latter is already opportunely shaped.

The above end platelet bears in relief the numbering from 1 to 12 for easy identification of the poles.
The connection plugs, completely protected from the outside and with opportune barriers between them, are made of a copper-zinc alloy, with a high percentage of copper, galvanic anti-rust and anti-corrosive protection in nickel or, on request, in silver (**CF.12/1+1/AG** Code CFA10).

The **CF.12/2+2** terminal boards can be mounted singularly or one on top of another. Fixing to the panel beneath can be done using:

- screws of an adequate length **(spacing between holes 69.5 mm)**
- M4 **threaded stay bolts**

To ensure the maximum insulation from earth and correct mounting of the stacked terminal boards it is necessary to insert the special **bushings CF/BI** in the holes on the body of the bases. To enable better clamping of the **CF/DD nuts**, in the case of use of threaded stay bolts, it is opportune to insert in the holes of the upper terminal board the **reduced bushings CF.BR**.

The **CF.12/2+2** terminal boards bear, on both bases, in relief, the numbering from 1 to 12 for easy identification of the poles.
The connection plugs, completely protected from the outside and with opportune barriers between them, are made of a copper-zinc alloy, with a high percentage of copper, galvanic anti-rust and anti-corrosive protection in nickel or, on request, in silver (CF.12/2+2/AG Code CFA20).

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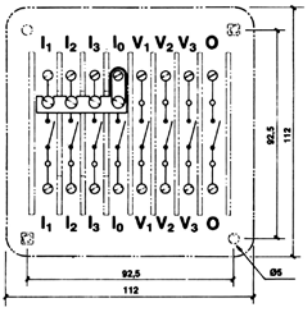
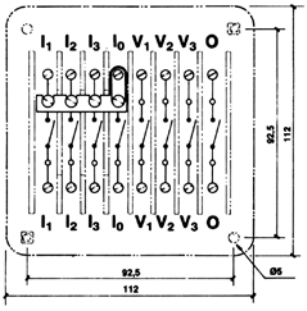
Distribution Terminal Boards

MS/8x10 DISCONNECT TERMINAL BOARD

- 8-poles, 4 ammetric and 4 voltmetric
- Insulating body: of green polycarbonate, filled with fibreglass.
- Conductor body: components of copper-zinc alloy with high percentage of copper and provided with nickel plating.
- Cover: black polyamide

GREEN VERSION		CODE / TYPE	MZ300N MS/8x10/N	MZ300T MS/8x10/T
TECHNICAL CHARACTERISTICS				
Rated cross-section		(mm²)	6	6
Connecting capacity	Flexible	(mm²)	0.5-16	0.5-16
Test tightening torque		(Nm)	1.2	1.2
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	500	500
	Max current with rated cross-section	(A)	41	41
Rated impulse withstand voltage/pollution degree			6 KV / 3	6 KV / 3
Width		(mm)	112	112
Length		(mm)	112	112
Height (with cover/including screws)		(mm)	52 / 65	52 / 65
Space between fixing holes		(mm)	92.5	92.5





QBLOK SERIES

DISTRIBUTION TERMINAL BOARDS UNIPOLAR

- IP20 protegtion degree
- Marking possible with a CNU/8 or CNU/10 tag
- Available in grey, green and blue colors
- Self-extinguishing plastic material

For more details, refer to the data sheet

GREY VERSION	**CODE**	**QBLOK7003**	**QBLOK1203**
	TYPE	**QBLOK.7/GR**	**QBLOK.12/GR**
BLUE VERSION	**CODE**	**QBLOK7001**	**QBLOK1201**
	TYPE	**QBLOK.7/BLU**	**QBLOK.12/BLU**
GREEN VERSION	**CODE**	**QBLOK7002**	**QBLOK1202**
	TYPE	**QBLOK.7/TE**	**QBLOK.12/TE**

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	-	-
	B	-	-
	C	-	-
	D	-	-
Input A	Rated cross-section	7 x 10 mm²	12 x 10 mm²
	Connecting capacity (flexible)	1.5–10 mm²	1.5–10 mm²
	Connecting capacity (rigid)	1.5–16 mm²	1.5–16 mm²
	Connecting capacity (with ferrule)	10 mm² - WP 100/21	10 mm² - WP 100/21
	Supply bar dimension	-	-
Output B	Rated cross-section	-	-
	Connecting capacity (flexible)	-	-
	Connecting capacity (rigid)	-	-
	Connecting capacity (with ferrule)	-	-
Output C	Rated cross-section	-	-
	Connecting capacity (flexible)	-	-
	Connecting capacity (rigid)	-	-
	Connecting capacity (with ferrule)	-	-
Output D	Rated cross-section	-	-
	Connecting capacity (flexible)	-	-
	Connecting capacity (rigid)	-	-
	Connecting capacity (with ferrule)	-	-
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	500 V	500 V
	Maximum current (rated cross-section)	63 A	63 A
	Caliber	B5	B5
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	-	-
	Maximum current (rated cross-section)	-	-
	Section (min-max)	-	-
	Tightening torque value (UL)	-	-
Corrente ammissibile di breve durata (Icw)		-	-
Corrente di picco (Icc)		-	-
Rated impulse withstand voltage / pollution degree		-	-
Insulation stripping length		6 mm	6 mm
Tightening torque value (nom. / max.)		2 / 2.5 Nm	2 / 2.5 Nm
Plastic material		Polyamide UL94V-0	Polyamide UL94V-0
Widht (pitch)		16 mm	16 mm
Length		53 mm	85 mm
Height mounted on TH35-7.5/TH35-15		33 / 41 mm	33 / 41 mm
Height for panel mounting		-	-

ACCESSORIES

Marking	Single marking tag	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
	Marking tag		
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	-	
	IEC 60715/TH35	PR/3/...	PR/3/...

APPROVALS AND MARKINGS

QBLOK SERIES

DISTRIBUTION TERMINAL BOARDS UNIPOLAR

- Easy cabling thanks to an innovative design with a graduated brass body
- DIN rail and panel mountable, with dovetail joint for multiple connection
- Available enrties for wire or metal bar
- IP20 protegtion degree
- Captive tightening screw

(1) For more details, refer to the data sheet
(2) Values referred to the A/B/C/D connections

GREY VERSION	CODE / TYPE	QBLOK1P160 / QBLOK1P160A6	QBLOK1P250 / QBLOK1P250A10	QBLOK1P400 / QBLOK1P400A10

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	-	-	
	B	-	-	
	C	-	-	
	D	-	-	
Input A	Rated cross-section	1 x 70 mm²	1 x 120 mm²	1 x 185 mm²
	Connecting capacity (flexible)	10-70 mm²	35-120 mm²	95-185 mm²
	Connecting capacity (rigid)	10-70 mm²	35-120 mm²	95-185 mm²
	Connecting capacity (with ferrule)	50 mm² - WP 350/40	95 mm²	150 mm²
	Supply bar dimension	15 x 5 mm	24 x 10 mm	24 x 10 mm
Output B	Rated cross-section	2 x 25 mm²	2 x 35 mm²	2 x 35 mm²
	Connecting capacity (flexible)	2.5–25 mm²	4–35 mm²	4–35 mm²
	Connecting capacity (rigid)	2.5–25 mm²	4–35 mm²	4–35 mm²
	Connecting capacity (with ferrule)	16 mm² (WP 160/22)	25 mm² (WP 250/29)	25 mm² (WP 250/29)
Output C	Rated cross-section	3 x 16 mm²	3 x 25 mm²	3 x 25 mm²
	Connecting capacity (flexible)	1.5–16 mm²	2.5–25 mm²	2.5–25 mm²
	Connecting capacity (rigid)	1.5–16 mm²	2.5–25 mm²	2.5–25 mm²
	Connecting capacity (with ferrule)	10 mm² (WP 100/21)	16 mm² (WP 160/22)	16 mm² (WP 160/22)
Output D	Rated cross-section	-	4 x 16 mm²	4 x 16 mm²
	Connecting capacity (flexible)	-	1.5–16 mm²	1.5–16 mm²
	Connecting capacity (rigid)	-	1.5–16 mm²	1.5–16 mm²
	Connecting capacity (with ferrule)	-	10 mm² (WP 100/21)	10 mm² (WP 100/21)
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	1000 Vac / 1000 Vdc	1000 Vac / 1000 Vdc	1000 Vac / 1000 Vdc
	Maximum current (rated cross-section)	192 A	269 A	353 A
	Caliber	-	-	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 Vac	600 Vac	600 Vac
	Maximum current (rated cross-section)	160 A	250 A	310 A
	Section (min-max)	(1)	(1)	(1)
	Tightening torque value (UL)	(1)	(1)	(1)
Short term current allowed (Icw) (value effective for 1s)		-	-	
Peak current (Icc)		-	-	
Rated impulse withstand voltage / pollution degree		8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		17/12/12 mm (2)	27/18/12/12 mm (2)	27/18/12/12 mm (2)
Tightening torque value (nom. / max.)		10/3/-/- Nm (2)	19/6/3/3 Nm (2)	19/6/3/3 Nm (2)
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		41 mm	53 mm	53 mm
Length		74.5 mm	95 mm	95 mm
Height mounted on TH35-7.5/TH35-15		45.4 / 52.4 mm	72.5 / 79.5 mm	72.5 / 79.5 mm
Height for panel mounting		45.4 mm	72.5 mm	72.5 mm

ACCESSORIES

Marking	Single marking tag	-	-	-
	Marking tag	-	-	-
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	-	-	–
Mounting rail	DIN rail according to IEC 60715/TH35	-	-	
	IEC 60715/TH35	PR/3/...	PR/3/...	PR/3/...

APPROVALS AND MARKINGS

TERMINAL BOARDS

QBLOK SERIES

DISTRIBUTION TERMINAL BOARDS UNIPOLAR

- Easy cabling thanks to an innovative design with a graduated brass body
- DIN rail and panel mountable, with dovetail joint for multiple connection
- Available enrties for wire or metal bar
- IP20 protegtion degree
- Captive tightening screw

(1) For more details, refer to the data sheet
(2) Values referred to the A/B/C/D connections

GREY VERSION	CODE / TYPE	QBLOK1P080E / QBLOK1P080A07E	QBLOK1P125E / QBLOK1P125A08E	QBLOK1P160E / QBLOK1P160A08E

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	1 x 16 mm²	1 x 35 mm²	1 x 70 mm²
	B	2 x 16 mm²	1 x 16 mm²	1 x 16 mm²
	C	4 x 6 mm²	6 x 16 mm²	6 x 16 mm²
	D	–	–	–
Input A	Rated cross-section	–	–	–
	Connecting capacity (flexible)	6-16 mm²	10-35 mm²	10-70 mm²
	Connecting capacity (rigid)	6-16 mm²	10-35 mm²	10-70 mm²
	Connecting capacity (with ferrule)	10 mm²	25 mm²	50 mm²
	Supply bar dimension	–	–	–
Output B	Rated cross-section	–	–	–
	Connecting capacity (flexible)	2.5 – 16 mm²	6-16 mm²	6-16 mm²
	Connecting capacity (rigid)	2.5 – 16 mm²	6-16 mm²	6-16 mm²
	Connecting capacity (with ferrule)	10 mm²	10 mm²	10 mm²
Output C	Rated cross-section	–	–	–
	Connecting capacity (flexible)	2.5–6 mm²	2.5–16 mm²	2.5–16 mm²
	Connecting capacity (rigid)	2.5–6 mm²	2.5–16 mm²	2.5–16 mm²
	Connecting capacity (with ferrule)	4 mm²	10 mm²	10 mm²
Output D	Rated cross-section	–	–	–
	Connecting capacity (flexible)	–	–	–
	Connecting capacity (rigid)	–	–	–
	Connecting capacity (with ferrule)	–	–	–
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	1000 Vac / 1000 Vdc	1000 Vac / 1000 Vdc	1000 Vac / 1000 Vdc
	Maximum current (rated cross-section)	80 A	125 A	160 A
	Caliber	–	–	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 Vac / 600 Vdc	600 Vac / 600 Vdc	600 Vac / 600 Vdc
	Maximum current (rated cross-section)	85 A	150 A	150 A
	Section (min-max)	A: 16-4 / B: 16-4 / C: 16-8	A: 8-1/0 / B: 14-2 /C: 14-4	A: 8-3/0 / B: 14-2 / C: 14-4
	Tightening torque value (UL)	A: 19.5 / B: 19.5 / C: 10.6	A: 57.0 / B: 31.0 / C: 31.0	A: 75.0 / B: 31.0 / C: 31.0
Short term current allowed (Icw) (value effective for 1s)		3 kA	4.2 kA	11.8 kA
Peak current (Icc)		22 kA	30 kA	30 kA
Rated impulse withstand voltage / pollution degree		4 kV / 3	4 kV / 3	4 kV / 3
Insulation stripping length		A: 17.0 / B: 17.0/ C: 10.2 mm	(1)	(1)
Tightening torque value (nom. / max.)		3,5/3,5/1,2/- Nm (2)	8,5/3,5/3,5/- Nm (2)	8,5/3,5/3,5/- Nm (2)
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		27.2 mm	29 mm	29 mm
Length		65 mm	76 mm	76 mm
Height mounted on TH35-7.5/TH35-15		27.2 / 47.5 / 55 mm	29 / 47.5 / 55 mm	29 / 47.5 / 55 mm
Height for panel mounting		47.5 mm	47.5 mm	47.5 mm

ACCESSORIES

Marking	Single marking tag	–	–	–
	Marking tag	–	–	–
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..
	IEC 60715/TH35	–	–	–

APPROVALS AND MARKINGS

TERMINAL BOARDS

QBLOK SERIES

MORSETTIERE DI DISTRIBUZIONE UNIPOLARI

- 2 poles distribution boards
- DIN rail and panel mountable
- IPXXB according to IEC60525
- Offset holes to simplify cabling
- Zinc-plated steel screws with combined single-slot

(1) For more details, refer to the data sheet
(2) Values referred to the A/B/C/D connections

GREY VERSION	CODE / TYPE	QBLOK1P250E QBL0K1P250A12E	QBLOK1P400E QBL0K1P400A12E	QBLOK1P500E QBL0K1P500A12E

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	1 x 120 mm²	1 x 185 mm²	8x24x1 - 2x20x1 mm² (barra)
	B	2 x 35 mm²	2 x 35 mm²	2 x 35 mm²
	C	5 x 16 mm²	5 x 16 mm²	5 x 16 mm²
	D	4 x 10 mm²	4 x 10 mm²	4 x 10 mm²
Input A	Rated cross-section	–	–	–
	Connecting capacity (flexible)	35-120 mm²	95-185 mm²	–
	Connecting capacity (rigid)	35-120 mm²	95-185 mm²	–
	Connecting capacity (with ferrule)	95 mm²	150 mm²	–
	Supply bar dimension	–	–	8x24x1 - 2x20x1 mm²
Output B	Rated cross-section	–	–	–
	Connecting capacity (flexible)	6-35 mm²	6-35 mm²	6-35 mm²
	Connecting capacity (rigid)	6-35 mm²	6-35 mm²	6-35 mm²
	Connecting capacity (with ferrule)	25 mm²	25 mm²	25 mm²
Output C	Rated cross-section	–	–	–
	Connecting capacity (flexible)	2.5-16 mm²	2.5-16 mm²	2.5-16 mm²
	Connecting capacity (rigid)	2.5-16 mm²	2.5-16 mm²	2.5-16 mm²
	Connecting capacity (with ferrule)	10 mm²	10 mm²	10 mm²
Output D	Rated cross-section	–	–	–
	Connecting capacity (flexible)	2.5-10 mm²	2.5-10 mm²	2.5-10 mm²
	Connecting capacity (rigid)	2.5-10 mm²	2.5-10 mm²	2.5-10 mm²
	Connecting capacity (with ferrule)	6 mm²	6 mm²	6 mm²
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	1000 Vac / 1000 Vdc	1000 Vac / 1000 Vdc	1000 Vac / 1000 Vdc
	Maximum current (rated cross-section)	250 mm²	400 A	500 A
	Caliber	–	–	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	600 Vac / 600 Vdc	600 Vac / 600 Vdc	600 Vac / 600 Vdc
	Maximum current (rated cross-section)	255 A	255 A	355 A
	Section (min-max)	A: 6-250kcmil / B: 10-1 / C: 14-4 / D: 14-6	A: 3/0-350kcmil / B: 16-2 / C: 16-2 / D: 16-2	A: - / B: 10-1 / C: 14-4 / D: 14-6
	Tightening torque value (UL)	A: 168 / B: 39 / C: 24 / D: 24	A: 221.3 / B: 53.1 / C: 26.6 / D: 26.6	A: 120 / B: 39 / C: 24 / D: 24
Short term current allowed (Icw) (value effective for 1s)		24.5 kA	24.5 kA	24.5 kA
Peak current (Icc)		51 kA	51 kA	51 kA
Rated impulse withstand voltage / pollution degree		4 kV / 3	4 kV / 3	4 kV / 3
Insulation stripping length		(1)	(1)	(1)
Tightening torque value (nom. / max.)		19/4,4/2,7/2,7 Nm (2)	25/4,4/2,7/2,7 Nm (2)	13,5/4,4/2,7/2,7 Nm (2)
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		47 mm	47 mm	47 mm
Length		96 mm	96 mm	95 mm
Height mounted on TH35-7.5/TH35-15		51 / 58.5 mm	51 / 58.5 mm	51 / 58.5 mm
Height for panel mounting		47.5 mm	47.5 mm	47.5 mm

ACCESSORIES

Marking	Single marking tag	–	–	–
	Marking tag	–	–	–
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	PR/3/..	PR/3/..	PR/3/..
	IEC 60715/TH35	–	–	–

APPROVALS AND MARKINGS

TERMINAL BOARDS

DISTRIBUTION TERMINAL BOARDS MULTIPOLAR

- 2 poles distribution boards
- DIN rail and panel mountable
- Insulating plate for each conductor bar
- Offset holes to simplify cabling
- Zinc-plated steel screws with combined single-slot

For more details, refer to the data sheet

GREY VERSION	CODE / TYPE	QBLOK2100 QBL0K2P100A7	QBLOK2125 QBL0K2P125A11	QBLOK2126 QBL0K2P125A15

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	–	–	–
	B	–	–	–
	C	–	–	–
	D	–	–	–
Input A	Rated cross-section	2 x 25 mm²	2 x 35 mm²	2 x 35 mm²
	Connecting capacity (flexible)	10-25 mm²	10-35 mm²	10-35 mm²
	Connecting capacity (rigid)	10-25 mm²	10-35 mm²	10-35 mm²
	Connecting capacity (with ferrule)	16 mm² - WP 160/22	25 mm² - WP 250/29	25 mm² - WP 250/29
	Supply bar dimension	–	–	–
Output B	Rated cross-section	5 x 6 mm²	2 x 25 mm²	2 x 25 mm²
	Connecting capacity (flexible)	2.5–6 mm²	10-25 mm²	10-25 mm²
	Connecting capacity (rigid)	2.5–6 mm²	10-25 mm²	10-25 mm²
	Connecting capacity (with ferrule)	4 mm² (WP 40/16)	16 mm² (WP 160/22)	16 mm² (WP 160/22)
Output C	Rated cross-section	–	7 x 6 mm²	11 x 6 mm²
	Connecting capacity (flexible)	–	2.5–6 mm²	2.5–6 mm²
	Connecting capacity (rigid)	–	2.5–6 mm²	2.5–6 mm²
	Connecting capacity (with ferrule)	–	4 mm² (WP 40/16)	4 mm² (WP 40/16)
Output D	Rated cross-section	–	–	–
	Connecting capacity (flexible)	–	–	–
	Connecting capacity (rigid)	–	–	–
	Connecting capacity (with ferrule)	–	–	–
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	1000 V	1000 V	1000 V
	Maximum current (rated cross-section)	100 A	125 A	125 A
	Caliber	–	–	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Section (min-max)	–	–	–
	Tightening torque value (UL)	–	–	–
Short term current allowed (Icw) (value effective for 1s)		–	–	–
Peak current (Icc)		–	–	–
Rated impulse withstand voltage / pollution degree		8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		13 mm	13 mm	13 mm
Tightening torque value (nom. / max.)		2 / 2.5 Nm	2 / 2.5 Nm	2 / 2.5 Nm
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		72 mm	109 mm	137 mm
Length		49 mm	49 mm	49 mm
Height mounted on TH35-7.5/TH35-15		52 / 59 mm	52 / 59 mm	52 / 59 mm
Height for panel mounting		–	–	–

ACCESSORIES

Marking	Single marking tag	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
	Marking tag	–	–	–
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	–	–	–
	IEC 60715/TH35	PR/3/...	PR/3/...	PR/3/...

APPROVALS AND MARKINGS

QBLOK SERIES

DISTRIBUTION TERMINAL BOARDS MULTIPOLAR

- 4 poles distribution boards
- DIN rail and panel mountable
- Insulating plate for each conductor bar
- Offset holes to simplify cabling
- Zinc-plated steel screws with combined single-slot

For more details, refer to the data sheet

GREY VERSION	CODE / TYPE	QBLOK4100 QBL0K4P100A7	QBLOK4125 QBL0K4P125A11	QBLOK4126 QBL0K4P125A15

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	–	–	–
	B	–	–	–
	C	–	–	–
	D	–	–	–
Input A	Rated cross-section	2 x 25 mm²	2 x 35 mm²	2 x 35 mm²
	Connecting capacity (flexible)	10-25 mm²	10-35 mm²	10-35 mm²
	Connecting capacity (rigid)	10-25 mm²	10-35 mm²	10-35 mm²
	Connecting capacity (with ferrule)	16 mm² - WP 160/22	25 mm² - WP 250/29	25 mm² - WP 250/29
	Supply bar dimension	–	–	–
Output B	Rated cross-section	5 x 6 mm²	2 x 25 mm²	2 x 25 mm²
	Connecting capacity (flexible)	2.5–6 mm²	10-25 mm²	10-25 mm²
	Connecting capacity (rigid)	2.5–6 mm²	10-25 mm²	10-25 mm²
	Connecting capacity (with ferrule)	4 mm² (WP 40/16)	16 mm² (WP 160/22)	16 mm² (WP 160/22)
Output C	Rated cross-section	–	7 x 6 mm²	11 x 6 mm²
	Connecting capacity (flexible)	–	2.5–6 mm²	2.5–6 mm²
	Connecting capacity (rigid)	–	2.5–6 mm²	2.5–6 mm²
	Connecting capacity (with ferrule)	–	4 mm² (WP 40/16)	4 mm² (WP 40/16)
Output D	Rated cross-section	–	–	–
	Connecting capacity (flexible)	–	–	–
	Connecting capacity (rigid)	–	–	–
	Connecting capacity (with ferrule)	–	–	–
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	500 V	500 V	500 V
	Maximum current (rated cross-section)	100 A	125 A	125 A
	Caliber	–	–	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	–	–	–
	Maximum current (rated cross-section)	–	–	–
	Section (min-max)	–	–	–
	Tightening torque value (UL)	–	–	–
Short term current allowed (Icw) (value effective for 1s)		–	–	–
Peak current (Icc)		–	–	–
Rated impulse withstand voltage / pollution degree		8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		13 mm	13 mm	13 mm
Tightening torque value (nom. / max.)		2 / 2.5 Nm	2 / 2.5 Nm	2 / 2.5 Nm
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		72 mm	108 mm	137 mm
Length		97 mm	97 mm	97 mm
Height mounted on TH35-7.5/TH35-15		52 / 59 mm	52 / 59 mm	52 / 59 mm
Height for panel mounting		–	–	–

ACCESSORIES

Marking	Single marking tag	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
	Marking tag	–	–	–
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	–	–	–
	IEC 60715/TH35	PR/3/...	PR/3/...	PR/3/...

APPROVALS AND MARKINGS

QBLOK SERIES

DISTRIBUTION TERMINAL BOARDS MULTIPOLAR

- 4 poles distribution boards
- DIN rail and panel mountable
- Insulating plate for each conductor bar
- Offset holes to simplify cabling
- Zinc-plated steel screws with combined single-slot

For more details, refer to the data sheet

GREY VERSION	CODE / TYPE	QBLOK4160S QBLOK4P160A9	QBLOK4161N QBLOK4P160A14

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	–	–
	B	–	–
	C	–	–
	D	–	–
Input A	Rated cross-section	1 x 50 mm²	1 x 50 mm²
	Connecting capacity (flexible)	10-50 mm²	10-50 mm²
	Connecting capacity (rigid)	10-50 mm²	10-50 mm²
	Connecting capacity (with ferrule)	35 mm² - WP 350/30	35 mm² - WP 350/30
	Supply bar dimension	–	–
Output B	Rated cross-section	2 x 35 mm²	4 x 35 mm²
	Connecting capacity (flexible)	10-35 mm²	10-35 mm²
	Connecting capacity (rigid)	10-35 mm²	10-35 mm²
	Connecting capacity (with ferrule)	25 mm² (WP 250/29)	25 mm² (WP 250/29)
Output C	Rated cross-section	6 x 16 mm²	9 x 16 mm²
	Connecting capacity (flexible)	2.5–16 mm²	2.5–16 mm²
	Connecting capacity (rigid)	2.5–16 mm²	2.5–16 mm²
	Connecting capacity (with ferrule)	16 mm² (WP 160/22)	16 mm² (WP 160/22)
Output D	Rated cross-section	–	–
	Connecting capacity (flexible)	–	–
	Connecting capacity (rigid)	–	–
	Connecting capacity (with ferrule)	–	–
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	500 V	500 V
	Maximum current (rated cross-section)	160 A	160 A
	Caliber	–	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	–	–
	Maximum current (rated cross-section)	–	–
	Section (min-max)	–	–
	Tightening torque value (UL)	–	–
Short term current allowed (Icw) (value effective for 1s)		–	–
Peak current (Icc)		–	–
Rated impulse withstand voltage / pollution degree		8kV / 3	8kV / 3
Insulation stripping length		13 mm	13 mm
Tightening torque value (nom. / max.)		2 / 2.5 Nm	2 / 2.5 Nm
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		131 mm	181 mm
Length		99 mm	99 mm
Height mounted on TH35-7.5/TH35-15		54 / 61 mm	54 / 61 mm
Height for panel mounting		–	–

ACCESSORIES

Marking	Single marking tag	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
	Marking tag	–	–
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	–	–
	IEC 60715/TH35	PR/3/...	PR/3/...

APPROVALS AND MARKINGS

DISTRIBUTION TERMINAL BOARDS MULTIPOLAR

- 4 poles distribution boards
- DIN rail and panel mountable
- Insulating plate for each conductor bar
- Offset holes to simplify cabling
- Zinc-plated steel screws with combined single-slot

For more details, refer to the data sheet

GREY VERSION	CODE / TYPE	QBLOK4160U QBLOK4P160A9-U	QBLOK4160U QBLOK4P160A14-U
TECHNICAL CHARACTERISTICS			
Function/Type		Distribution terminal board	Distribution terminal board
Number and rated cross connection	A	–	–
	B	–	–
	C	–	–
	D	–	–
Input A	Rated cross-section	1 x 50 mm²	1 x 50 mm²
	Connecting capacity (flexible)	10-50 mm²	10-50 mm²
	Connecting capacity (rigid)	10-50 mm²	10-50 mm²
	Connecting capacity (with ferrule)	35 mm² - WP 350/30	35 mm² - WP 350/30
	Supply bar dimension	–	–
Output B	Rated cross-section	2 x 35 mm²	4 x 35 mm²
	Connecting capacity (flexible)	10-35 mm²	10-35 mm²
	Connecting capacity (rigid)	10-35 mm²	10-35 mm²
	Connecting capacity (with ferrule)	25 mm² (WP 250/29)	25 mm² (WP 250/29)
Output C	Rated cross-section	6 x 16 mm²	9 x 16 mm²
	Connecting capacity (flexible)	2.5–16 mm²	2.5–16 mm²
	Connecting capacity (rigid)	2.5–16 mm²	2.5–16 mm²
	Connecting capacity (with ferrule)	16 mm² (WP 160/22)	16 mm² (WP 160/22)
Output D	Rated cross-section	–	–
	Connecting capacity (flexible)	–	–
	Connecting capacity (rigid)	–	–
	Connecting capacity (with ferrule)	–	–
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	500 V	500 V
	Maximum current (rated cross-section)	160 A	160 A
	Caliber	–	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	–	–
	Maximum current (rated cross-section)	–	–
	Section (min-max)	–	–
	Tightening torque value (UL)	–	–
Short term current allowed (Icw) (value effective for 1s)		6 kA	6 kA
Peak current (Icc)		36 kA	36 kA
Rated impulse withstand voltage / pollution degree		8kV / 3	8kV / 3
Insulation stripping length		13 mm	13 mm
Tightening torque value (nom. / max.)		2 / 2.5 Nm	2 / 2.5 Nm
Plastic material		Polyamide, polycarbonate	Polyamide, polycarbonate
Widht (pitch)		131 mm	181 mm
Length		99 mm	99 mm
Height mounted on TH35-7.5/TH35-15		54 / 61 mm	54 / 61 mm
Height for panel mounting		–	–
ACCESSORIES			
Marking	Single marking tag	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
	Marking tag	–	–
End bracket	TH35 screw type	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	–	–
	IEC 60715/TH35	PR/3/...	PR/3/...
APPROVALS AND MARKINGS		EAC	EAC

DISTRIBUTION TERMINAL BOARDS UNIPOLAR

GREY VERSION	CODE	QPOL1203
	TYPE	POLM.1215

TECHNICAL CHARACTERISTICS

Function/Type		Distribution terminal board
Number and rated cross connection	A	–
	B	–
	C	–
	D	–
Input A	Rated cross-section	2 x 2.0 mm²
	Connecting capacity (flexible)	–
	Connecting capacity (rigid)	–
	Connecting capacity (with ferrule)	–
	Supply bar dimension	–
Output B	Rated cross-section	12 x 1.5 mm²
	Connecting capacity (flexible)	–
	Connecting capacity (rigid)	–
	Connecting capacity (with ferrule)	–
Output C	Rated cross-section	1 x 1.0 mm²
	Connecting capacity (flexible)	–
	Connecting capacity (rigid)	–
	Connecting capacity (with ferrule)	–
Output D	Rated cross-section	–
	Connecting capacity (flexible)	–
	Connecting capacity (rigid)	–
	Connecting capacity (with ferrule)	–
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	–
	Maximum current (rated cross-section)	80 A
	Caliber	–
Electrical characteristics according to UL Standard	Maximum voltage AC/DC	–
	Maximum current (rated cross-section)	–
	Section (min-max)	–
	Tightening torque value (UL)	–
Short term current allowed (Icw) (value effective for 1s)		–
Peak current (Icc)		–
Rated impulse withstand voltage / pollution degree		–
Insulation stripping length		–
Tightening torque value (nom. / max.)		–
Plastic material		Polyamide
Widht (pitch)		–
Length		–
Height mounted on TH35-7.5/TH35-15		–
Height for panel mounting		–

ACCESSORIES

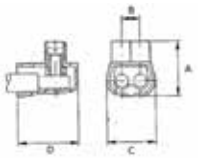
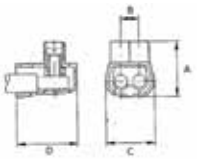
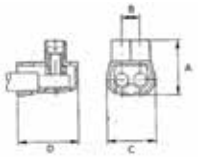
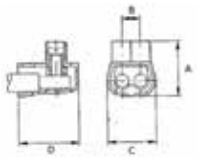
Marking	Single marking tag	–
	Marking tag	–
End bracket	TH35 screw type	BT/3 (cod. BT003)
	TH35 snap-fit type	BTO (cod. BT007)
	TH35 and G32 snap-fit type	BTU (cod. BT005)
Mounting rail	DIN rail according to IEC 60715/TH35	–
	IEC 60715/TH35	PR/3/...

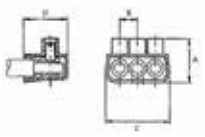
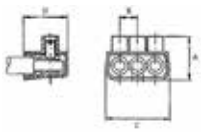
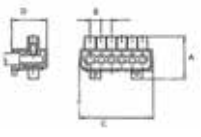
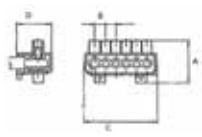
APPROVALS AND MARKINGS

CONT SERIES

DOUBLE AND MULTIPLE TERMINAL BLOCKS FOR DERIVATION BOXES FROM 1.5 TO 35mm²

- CONTC Series terminal blocks are mainly used inside of junction boxes and, from a physical point of view, can be seen as simple Kirchhoff's nodes.
- Transparent polycarbonate, self-extinguishing UL94-V0
- High mechanical and shock resistance also at low temperatures (-25 °C)
- Resistance to flames and to ignition according to IEC 695-2-1
- 850 °C in the incandescent wire test
- High dimensional stability
- Excellent resistance to creeping currents
- High dielectric strength
- Excellent resistance to chemical and atmospheric agents
- CW 614N Brass
- Galvanised steel screws or grub screws

VERSIONS	CODE TYPE	CONT206 CONT/2/06	CONT216 CONT/2/16	CONT225 CONT/2/25	CONT235 CONT/2/35
TECHNICAL CHARACTERISTICS					
N°poles		2	2	2	2
Rated cross-section	(mm²)	6	16	25	35
Rated Voltage	(V)	450	500	500	500
Rated current	(A)	41	76	101	125
Insulation material temperature	(°C)	130	130	130	130
Protection degree		IP20	IP20	IP20	IP20
Insulation stripping length	(mm)	6÷13	8÷16	10÷20	12÷23
A	(mm)	16	25	24.5	33
B	(mm)	6	8	10	13
C	(mm)	15	20	25	31.5
D	(mm)	18	22.5	26	31
APPROVALS					

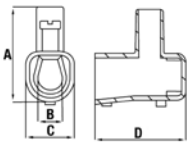
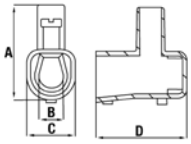
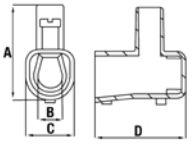
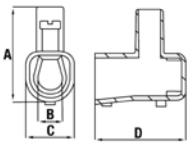
VERSIONS	CODE TYPE	CONT306 CONT/3/6	CONT316 CONT/3/16	CONT606 CONT/6/6		CONT616	CONT616 CONT616
TECHNICAL CHARACTERISTICS							
N°poles		3	3	5	1	5	1
Rated cross-section	(mm²)	6	16	6	10	16	25
Rated Voltage	(V)	450	450	450	450	500	500
Rated current	(A)	41	76	41	41	76	76
Insulation material temperature	(°C)	130	130	130	130	130	130
Protection degree		IP20	IP20	IP20	IP20	IP20	IP20
Insulation stripping length	(mm)	8.5÷11	13÷17	13÷18	13÷18	16÷21	16÷21
A	(mm)	15.25	22	22	22	25	25
B	(mm)	5	9	7	6.5	10	9
C	(mm)	19.5	32.5	46.5	46.5	62	62
D	(mm)	14	22.25	22.5	22.5	25.25	25.25
APPROVALS							

CONTC SERIES

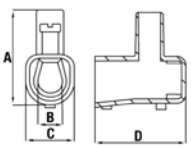
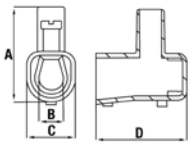
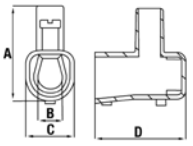
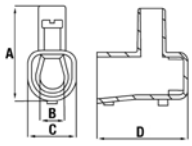
SINGLE TERMINAL BLOCKS FOR DERIVATION BOXES FROM 1.5 TO 35mm²

- CONTC Series terminal blocks are mainly used inside of junction boxes and, from a physical point of view, can be seen as simple Kirchhoff's nodes
- General characteristics
- High dielectric strength
- Resistance to tracking currents
- Screw-clamp
- Materials
- Products comply with the essential requirements of the BT Directive
- CW 614N Brass
- Zinc-plated screws and dowels
- Transparent polycarbonate




VERSIONS	CODE TYPE	CONTC01 CONT/1,5	CONTC02 CONT/2,5	CONTC04 CONT/4	CONTC06 CONT/6
TECHNICAL CHARACTERISTICS					
N°poles		10	10	10	10
Rated cross-section	(mm²)	1.5	2.5	4	6
Rated Voltage	(V)	450	450	450	750
Rated current	(A)	17.5	24	32	41
Insulation material temperature	(°C)	130	130	130	130
Protection degree		IP20	IP20	IP20	IP20
A	(mm)	16	17.6	21	23
B	(mm)	3.3	3.7	4.5	5.6
C	(mm)	8.4	10	10.5	11.5
D	(mm)	15	17.6	21	22.5
APPROVALS					

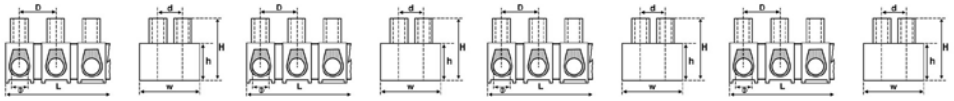


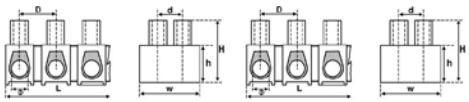

VERSIONS	CODE TYPE	CONTC10 CONT/10	CONTC16 CONT/16	CONTC25 CONT/25	CONTC35 CONT/35
TECHNICAL CHARACTERISTICS					
N°poles		10	10	1	1
Rated cross-section	(mm²)	10	16	25	35
Rated Voltage	(V)	750	750	750	750
Rated current	(A)	57	76	101	125
Insulation material temperature	(°C)	130	130	130	130
Protection degree		IP00	IP00	IP00	IP00
A	(mm)	28	33	39	46
B	(mm)	7.5	9.5	12	14
C	(mm)	14.6	19.7	22	25
D	(mm)	26	31	38	44
APPROVALS					

12-POLE TERMINAL STRIPS

GENERAL CHARACTERISTICS
- Maximum withstand temperature: 80 °C
- Neutral colour

MATERIALS
- Brass
- PA6 Polyamides
- Zinc-plated steel screws

VERSIONS	CODE / TYPE	CAMUT02 CAMUT.12/02	CAMUT04 CAMUT.12/04	CAMUT06 CAMUT.12/06	CAMUT010 CAMUT.12/10
TECHNICAL CHARACTERISTICS					
Rated current	(A)	24	32	57	61
Rated Voltage	(V)	380	380	400	400
Cross section	(mm²)	2,5	4,0	6,0	10,0
Gauge		A3	A3	A4	A5
DIMENSIONS					
L	(mm)	93,0	117,0	132,0	141,0
W	(mm)	17,0	19,0	21,0	23,0
Ø	(mm)	2,8	3,3	4,2	4,5
D	(mm)	8,0	9,8	11,0	11,7
d	(mm)	6,0	6,5	7,8	8,5
H	(mm)	13,7	15,9	16,8	19,0
h	(mm)	8,0	9,0	10,0	10,8

VERSIONS	CODE / TYPE	CAMUT16 CAMUT.12/16	CAMUT25 CAMUT.12/25
TECHNICAL CHARACTERISTICS			
Rated current	(A)	76	101
Rated Voltage	(V)	400	400
Cross section	(mm²)	16,0	25,0
Gauge		B6	B6
DIMENSIONS			
L	(mm)	168,0	191,0
W	(mm)	26,0	29,7
Ø	(mm)	5,5	6,6
D	(mm)	14,5	16,5
d	(mm)	9,5	11,0
H	(mm)	20,4	25,9
h	(mm)	12,0	15,5

FJ SERIES

SPLICING SPRING CONNECTORS WITH MANUAL LEVER ACTUATORS

- Maximum insulation voltage: 600V
- Nominal Current: 32A
- Conductor section range (rigid or flexible): 0,2 – 4 mmq
- Protection degree IP20
- With voltage test point

VERSIONS	CODE / TYPE	FJ402	FJ403	FJ405

TECHNICAL CHARACTERISTICS

Rated cross-section	(mm²)	4	4	4
Connection capacity	(mm²)	0,2 - 4	0,2 - 4	0,2 - 4
Nominal voltage	(V)	600	600	600
Rated current	(A)	32	32	32
Rated of concuctors		2	3	5
Dimensions (L x W x H)	(mm)	12,4 x 20,5 x 14,5	17,0 x 20,5 x 14,5	26,6 x 20,5 x 14,5

THE SPLICING SPRING CONNECTORS
OFFERS MULTIPLE ADVANTAGES:

- Quick installation (without screwdriver)
- Possibility to connect different section cables
- Ergonomics and easy to connect
- Small size
- Secure and reliable cable clamping (spring preloaded in factory)
- Compatible with rigid and flexible cables
- Possibility to connect the cables individually, without the need to strand the conductors

UC SERIES

SPLICING SPRING CONNECTORS WITH MANUAL LEVER ACTUATORS

- Compact dimension
- Screwdriver is not required, thanks to the integrated lever
- Tranparent body

Protection degree IP20



VERSIONS	CODE / TYPE	UC02 / UC02	UC03 / UC03	UC05 / UC05
TECHNICAL CHARACTERISTICS				
Function/Type		Branch terminal	Branch terminal	Branch terminal
Rated cross-section		4 mm²	4 mm²	4 mm²
Connecting capacity		–	–	–
Number of poles		2	3	5
Flexible wire		0.34-4 mm²	0.34-4 mm²	0.34-4 mm²
Rigid wire		0.2-4 mm²	0.2-4 mm²	0.2-4 mm²
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	450 V	450 V	450 V
	Maximum current (rated cross-section)	32 A	32 A	32 A
	Caliber	–	–	–
Protection degree		IP20	IP20	IP20
Insulation stripping length		11 mm	11 mm	11 mm
Dimensions		13x21x11 mm (AxBxC)	19x21x11 mm (AxBxC)	30x21x11 mm (AxBxC)
Insulation material temperature index (EN 60216-1)		85 °C	85 °C	85 °C
Plastic material		Polycarbonate UL94V-0	Polycarbonate UL94V-0	Polycarbonate UL94V-0
APPROVALS AND MARKINGS				

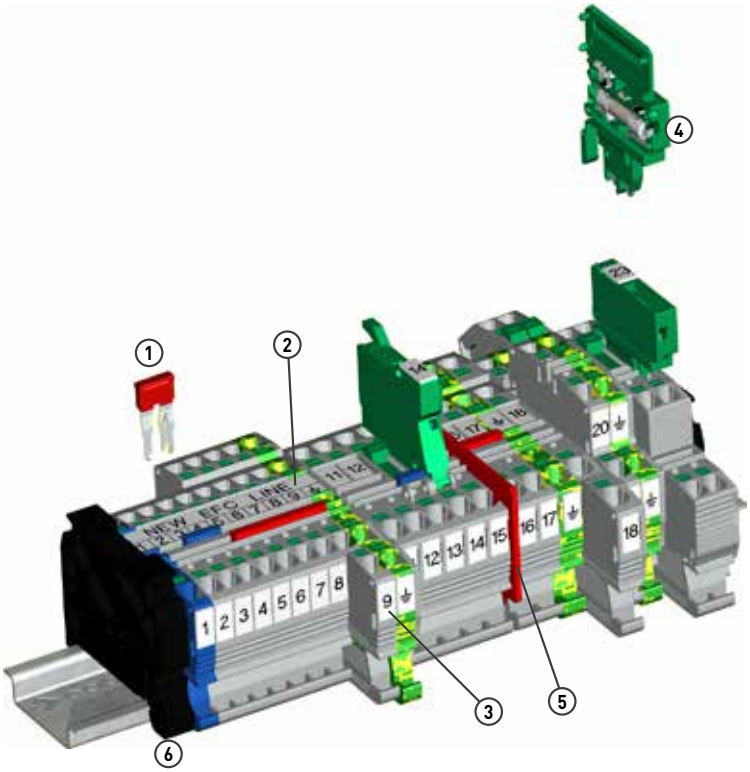


VERSIONS	CODE / TYPE	UC02M / UC02M	UC03M / UC03M	UC05M / UC05M
TECHNICAL CHARACTERISTICS				
Function/Type		Branch terminal	Branch terminal	Branch terminal
Rated cross-section		2.5 mm²	2.5 mm²	2.5 mm²
Connecting capacity		–	–	–
Number of poles		2	3	5
Flexible wire		0.34-2.5 mm²	0.34-2.5 mm²	0.34-2.5 mm²
Rigid wire		0.2-2.5 mm²	0.2-2.5 mm²	0.2-2.5 mm²
Electrical characteristics according to IEC EN standard	Maximum voltage AC/DC	450 V	450 V	450 V
	Maximum current (rated cross-section)	24 A	24 A	24 A
	Caliber	–	–	–
Protection degree		IP20	IP20	IP20
Insulation stripping length		11 mm	11 mm	11 mm
Dimensions		11x17x9 mm (AxBxC)	15.5x17x9 mm (AxBxC)	24.5x17x9 mm (AxBxC)
Insulation material temperature index (EN 60216-1)		85 °C	85 °C	85 °C
Plastic material		Polycarbonate UL94V-0	Polycarbonate UL94V-0	Polycarbonate UL94V-0
APPROVALS AND MARKINGS				


VERSIONS	CODE / TYPE	UCKIT01M / UCKIT01M	UCKIT01 / UCKIT01
TECHNICAL CHARACTERISTICS			
Function/Type		Branch terminal	Branch terminal
Rated cross-section		2.5 mm²	4 mm²
Pack content	2 poles spring clamp	35 UCM02	30 UC02
	3 poles spring clamp	30 UCM02	30 UC03
	2 poles spring clamp	25 UCM05	20 UC05

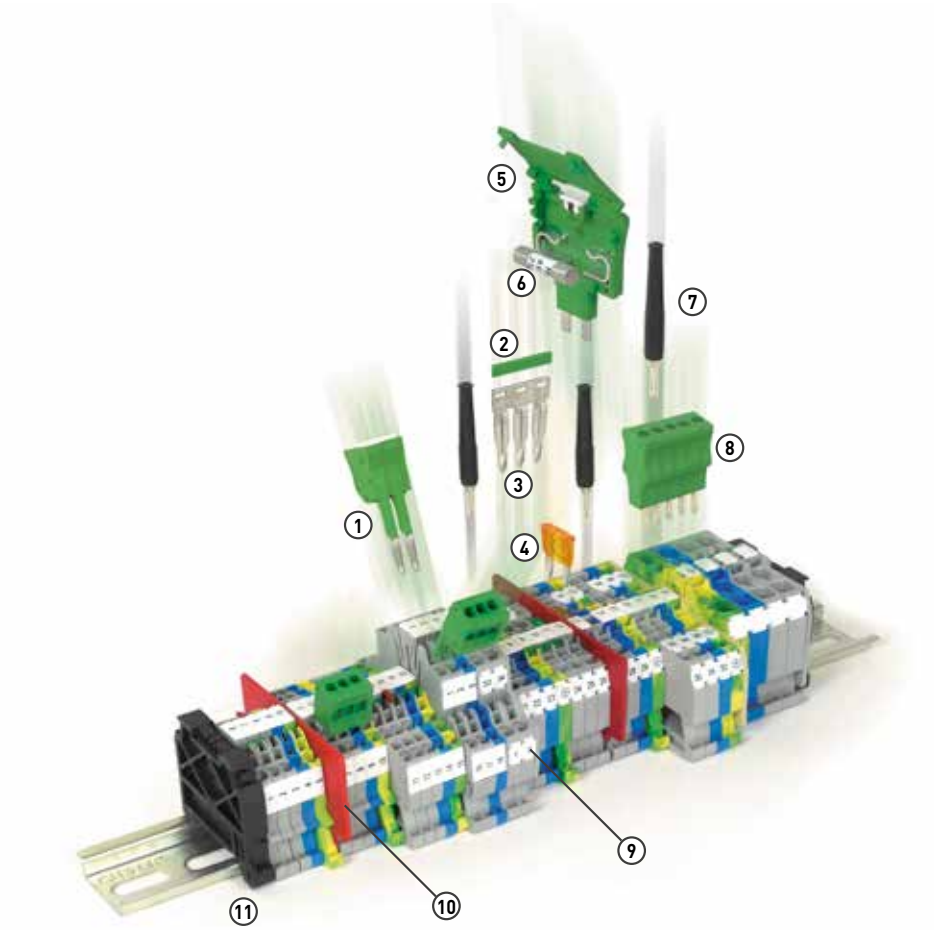
Accessories

EFC AND HMM SERIES TERMINAL BLOCK AND RELATED ACCESSORIES



EFC SERIES

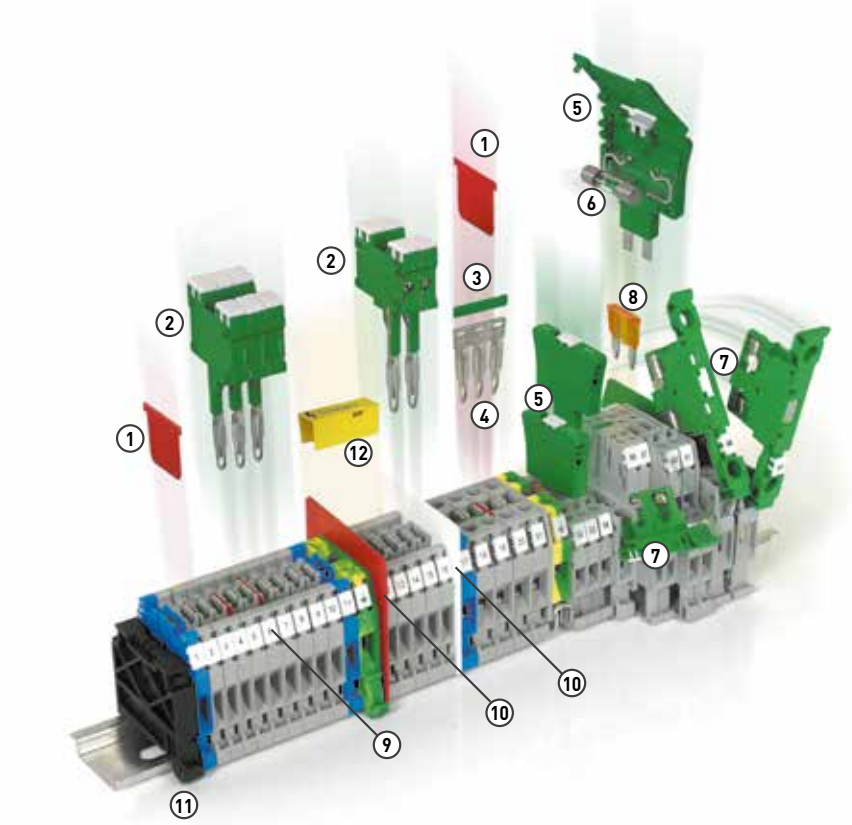
1. EFB Cross-connection
2. Adhesive numbering strip
3. Marking tag
4. CPFE component holder
5. DFE coloured partition
6. End bracket



HMM SERIES

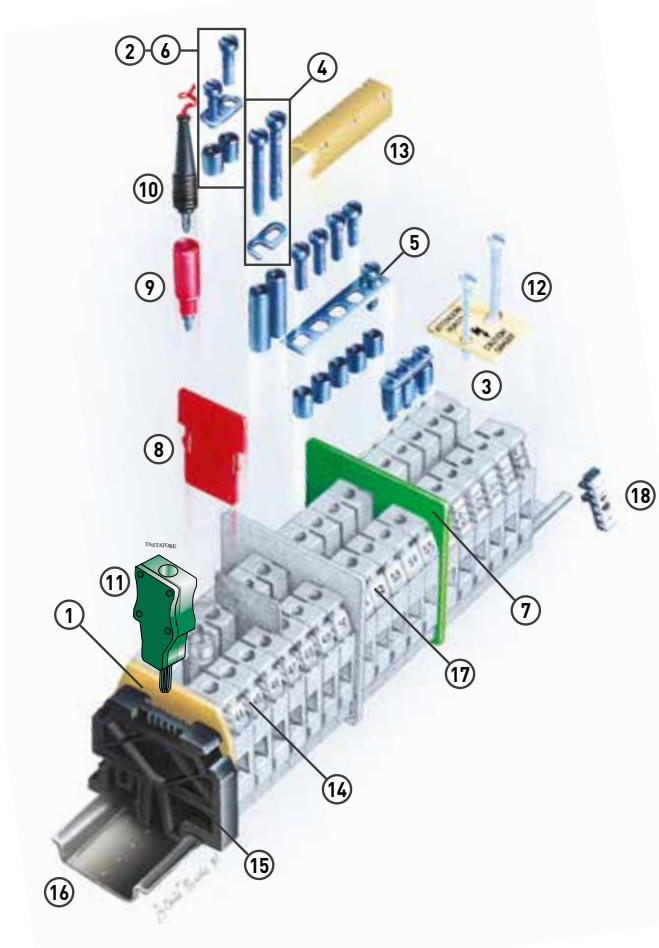
1. Modular test plug / connector
2. Cross-connection identification strip
3. PTC Cross-connection
4. Blade fuse
5. CPF/5 component-holder cartridge (fuse / resistor / diode)
6. 5 X 20 mm fuse
7. Test plug
8. Modular Test plug
9. Marking tag
10. Barrier
11. End bracket

CBC AND CBD SERIES TERMINAL BLOCK AND RELATED ACCESSORIES



CBC SERIES

1 Cross-connection barrier
2 Modular test plug
3 Cross-connection identification strip
4 Easy Bridge cross-connection PTC
5 CPF/5 component-holder cartridge (fuse / resistor / diode)
6 5 X 20 mm fuse
7 Conducting element
8 Blade fuseTest plug
9 Marking tag
10 Coloured partition
11 End bracket
12 Warning plate



CBD SERIES

1 End section
2 Permanent cross connection
3 Pre-assembled cross connection
4 Switchable cross connection
5 Multiple cross connection
6 Shunting screw and sleeve
7 Coloured partition
8 Cross connection barrier
9 Test plug socket
10 Test plug
11 Modular test plug
12 Warning plate
13 Cross connection cover
14 Marking tag
15 End bracket
16 Mounting rail
17 Numbering strip
18 Tag adapter

TP END SECTIONS

For each model and section of terminal block a particular platelet for insulating and closing the open element of each terminal board is provided.
This platelet can be used also to separate different phases of terminal blocks connected in parallel or to increase the insulation distances, when required by particular situations.
The end platelets have the size of the related terminal block and thickness of 1.5 mm

TERMINAL BLOCK	END SECTION	
	TYPE	CODE
AFO.2/1+1	**AFO/PT**	AF201
AFO.2/2+2	**AFO/PT**	AF201
CBC.2/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.4/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.6/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.10/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.16/GR	**CBC.16/PT/GR**	CB161GR
CBC.35/GR	**CBC.35/PT/GR**	CB351GR
CBD.2	**CB2/PT**	CB111
CBD.4	**CB4/6/PT**	CB241
CBD.6	**CB4/6/PT**	CB241
CBD.10	**CB10/PT**	CB431
CBD.16	**CB16/PT**	CB511
CBD.35	**CB35/PT**	CB611
CBD.50	**CB50/PT**	CB711
CBD.70	**CB70/PT**	CB811
CBE.2	**CBR/PT**	CR111
CBR.2	**CBR/PT**	CR111
CVF.4	**CVF/PT**	CV101
CVF.4/TP	**CVF/PT**	CV101
CVF.4/TPM	**CVF/PT**	CV101
CVF.4/VS	**CVF/PT**	CV101
CVF.4/VS2	**CVF/PT**	CV101
CVF.4/WW	**CVF/PT**	CV101
CVF.4/GR	**CVF/PT/GR**	CV101GR
CVF.4/TP/GR	**CVF/PT/GR**	CV101GR
DBC.2	**DBC/PT**	DB101
DAS.4	**DAS/PT**	DS101
DAS.4/CI	**DAS/PT**	DS101
DAS.4/SS	**DAS/PT**	DS101
DSF.4/GR	**DFS.4/PT/GR**	DS401GR
DSFA.4	**DSS/PT**	DS301
DSFA.4/GR	**DSS/PT/GR**	DS301GR
DSS.4	**DSS/PT**	DS301
DSS.4/GR	**DSS/PT/GR**	DS301GR
FDP.2	**FDP/PT**	FD101
FDP.2/GR	**FDP/PT/GR**	FD101GR
FFS.4	**FFS/PT**	FF101
FFS.4/GR	**FFS/PT/GR**	FF101GR
FVS.4	**FVS/PT**	FV101
FVS.4/GR	**FVS/PT/GR**	FV101GR
HCD.1/GR	**HCD.1/PT/GR**	HC201GR
HDE.2/GR	**HLD.2/PT/GR**	HL201GR
HFR.4/GR	**HFR.4/PT/GR**	HF211GR
HFR.4/M/GR	**HFR.4/PT/GR**	HF211GR
HLD.2/GR	**HLD.2/PT/GR**	HL201GR
HMD.2/GR	**HMD/PT/GR**	HD101GR
HMF.4/GR	**HMF/PT/GR**	HF111GR
HSCB.4/GR	**HSCB.4/PT/GR**	HB101GR
HSCB.6/GR	**HSCB.6/PT/GR**	HB201GR
HMM.2/GR	**HMT.2/PT/GR**	HM501GR
HMM.2/1+2/GR	**HMT.2/1+2/PT/GR**	HM511GR
HMM.2/2+2/GR	**HMT.2/2+2/PT/GR**	HM521GR
HMM.2/2+2/S/GR	**HMT.2/2+2/PT/GR**	HM521GR
HMM.4/GR	**HMT.4/PT/GR**	HM251GR
HMM.1/GR	**HMT.1/PT/GR**	HM401GR
HMM.1/1+2/GR	**HMT.1/1+2/PT**	HM411GR
HMM.1/2+2/GR	**HMT.1/2+2/PT**	HM421GR
HMD.1/GR	**HMD.1/PT/GR**	HD201GR
HMD.2N/GR	**HMD.1/PT/GR**	HD201GR
HMM.6/GR	**HMT.6/PT/GR**	HM321GR
HMS.2/GR	**HMT.2/2+2/PT/GR**	HM521GR
HMFA.2/GR	**HMT.2/1+2/PT/GR**	HM511GR
HP.2/GR	**HPV/PT/GR**	HV111GR
HPC.2/GR	**HPV/PT/GR**	HV111GR
HPP.2/GR	**HP/PT/GR**	HP101GR
HTE.2	**HMT.2/PT**	HM501GR
HTE.2/1+2	**HMT.2/1+2/PT**	HM511GR
HTE.2/2+2	**HMT.2/2+2/PT**	HM521GR
HTE.4	**HMT.4/PT/GR**	HM251GR
HTE.6	**HMT.6/PT/GR**	HM321GR
HTE.1	**HMT.1/PT/GR**	HM401GR
HTE.1/1+2	**HMT.1/1+2/PT**	HM411GR
HTE.1/2+2	**HMT.1/2+2/PT**	HM421GR
HTTE.2	**HLD.2/PT/GR**	HL201GR
MPS.4	**MPS.4/PT**	MP901

TERMINAL BLOCK	END SECTION	
	TYPE	CODE
MPS.4/GR	**MPS.4/PT/GR**	MP901GR
MPFA.4	**MPS.4/PT**	MP901
MPFA.4/GR	**MPS.4/PT/GR**	MP901GR
MPS.4/SV	**MPS.4/PT**	MP901
MPS.4/SV/GR	**MPS.4/PT/GR**	MP901GR
PDF.2	**PDF/PT**	PF101
RN.1/GR	**RFN/PT/GR**	RF101GR
RN.2/GR	**RFN/PT/GR**	RF101GR
RP.4/GR	**RP.4/PT/GR**	RP301GR
SCB.4	**SCB/4/PT**	SB301
SCB.4/GR	**SCB/4/PT/GR**	SB301GR
SCB.6	**SCB/6/PT**	SB201
SCB.6/GR	**SCB.6/PT/GR**	SB201GR
SCB.6/DD	**SCB/6/PT**	SB201
SCB.6/DD/GR	**SCB/6/PT/GR**	SB201GR
SCB.10	**SCB/10/PT**	SB401
SCB.10/GR	**SCB/10/PT/GR**	SB401GR
SCB.10/CD	**SCB/10/PT**	SB401
SCB.10/CD/GR	**SCB/10/PT/GR**	SB401GR
SCB.10/DD	**SCB/10/PT**	SB401
SCB.10/DD/GR	**SCB/10/P/GR**	SB401GR
SCB.6/CD	**SCB/6/PT**	SB201
SCB.6/CD/GR	**SCB/6/PT/GR**	SB201GR
SFR.4	**SFR/PT**	SF701
SFR.4/C....	**SFR/PT**	SF701
SFR.4/D1A	**SFR/PT**	SF701
SFR.4/D3A	**SFR/PT**	SF701
SFR.4/VS	**SFR/PT**	SF701
SFR.6	**SFR.6/PT**	SR301
TC/PO	**CB2/PT**	CB111
TEO.2	**TEO.2/PT**	TO901
TEO.4	**TEO.4/PT**	TO431
TED.4	**TEO.4/PT**	TO431
TDE.2	**TLS/PT**	TL101
TDE.2/GR	**TLS/PT/GR**	TL201GR
TLD.2	**TLD/PT**	TL201
TLD.2/GR	**TLD/PT/GR**	TL201GR
TLS.2	**TLS/PT**	TL101
TLS.2/GR	**TLS/PT/GR**	TL201GR
TLE.2/GR	**TLS/PT/GR**	TL201GR
VPC.2	**VPC/PT**	VP101
VPC.2/GR	**VPC/PT/GR**	VP101GR
VPD.2/GR	**VPD/PT/GR**	VP501GR
TR.2	**TR.2/PT**	TR111
EFC.2/GR	**EFC.2/PT/GR**	EFC201GR
EFC.2/1+2/GR	**EFC.2/1+2/PT/GR**	EFC211GR
EFC.2/2+2/GR	**EFC.2/2+2/PT/GR**	EFC221GR
EFCE.2	**EFC.2/PT/GR**	EFC201GR
EFCE.2/1+2	**EFC.2/1+2/PT/GR**	EFC211GR
EFCE.2/2+2	**EFC.2/2+2/PT/GR**	EFC221GR
EFC.4/GR	**EFC.4/PT/GR**	EFC401GR
EFC.4/1+2/GR	**EFC.4/1+2/PT/GR**	EFC411GR
EFC.4/2+2/GR	**EFC.4/2+2/PT/GR**	EFC421GR
EFCE.4	**EFC.4/PT/GR**	EFC401GR
EFCE.4/1+2	**EFC.4/1+2/PT/GR**	EFC411GR
EFCE.4/2+2	**EFC.4/2+2/PT/GR**	EFC421GR
EFD.2/GR	**EFD.2/PT/GR**	EFD201GR
EFD.2/CI/GR	**EFD.2/PT/GR**	EFD201GR
EFD.2/E/GR	**EFD.2/PT/GR**	EFD201GR
EFD.4/GR	**EFD.4/PT/GR**	EFD401GR
EFD.4/CI/GR	**EFD.4/PT/GR**	EFD401GR
EFD.4/E/GR	**EFD.4/PT/GR**	EFD401GR
EFDE.2	**EFD.2/PT/GR**	EFD201GR
EFDE.4	**EFD.4/PT/GR**	EFD401GR
EFF.4/GR	**EFC.4/PT/GR**	EFC401GR
EFF.4/C48/GR	**EFC.4/PT/GR**	EFC401GR
EFF.4/C230/GR	**EFC.4/PT/GR**	EFC401GR
EFS.2/GR	**EFC.2/PT/GR**	EFC201GR
EFS.4/GR	**EFC.4/PT/GR**	EFC401GR
EFT.2/GR	**EFT.2/PT/GR**	EFT201GR
EFTE.2	**EFT.2/PT/GR**	EFT201GR
EFT.2/S/GR	**EFT.2/S/PT/GR**	EFT251GR
EFDS.2/GR	**EFDS.2/PT/GR**	EFDS201GR
EFDS.2/1S/GR	**EFDS.2/PT/GR**	EFDS201GR
EFDS.2/P/GR	**EFDS.2/PT/GR**	EFDS201GR
BLUE POLYAMIDE UL94-V0		

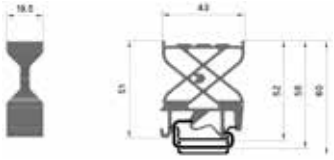
TERMINAL BLOCK	END SECTION	
	TYPE	CODE
CBC.2(Ex)i	**CBC.2-10/PT(EX)I**	CBI061
CBC.4(Ex)i	**CBC.2-10/PT(EX)I**	CBI061
CBC.6(Ex)i	**CBC.2-10/PT(EX)I**	CBI061
CBC.10(Ex)i	**CBC.2-10/PT(EX)I**	CBI061
CBC.16(Ex)i	**CBC.16/PT(EX)I**	CBI161
CBC.35(Ex)i	**CBC.35/PT(EX)I**	CBI351
CBD.2 (Ex)i	**CB2/PT(EX)I**	CBX13
CBD.4(Ex)i	**CB4/6/PT (EX)I**	CBX25
CBD.6(Ex)i	**CB4/6/PT (EX)I**	CBX25
CBD.10(Ex)i	**CB10/PT (EX)I**	CBX44
CBD.16(Ex)i	**CB16/PT (EX)I**	CBX53
CBD.35(Ex)i	**CB35/PT (EX)I**	CBX63
CBD.50(Ex)i	**CB50/PT (EX)I**	CBX73
CBD.70(Ex)i	**CB70/PT (EX)I**	CBX83
CVF.4(Ex)i	**CVF/PT (EX)I**	CV201
DBC.2(Ex)i	**DBC/PT(EX)I**	DB201
DAS.4(Ex)i	**DAS/PT (EX)I**	DS201
DAS.4/CI(Ex)i	**DAS/PT (EX)I**	DS201
HMD.1(Ex)i	**HMD.1/PT(EX)I**	HD301
HMD.2N(Ex)i	**HMD.1/PT(EX)I**	HD301
HMM.1(Ex)i	**HMT.1/PT (EX)I**	HI401
HMM.1/1+2(Ex)	**HMT.1/1+2/PT(EX)I**	HI411
HMM.1/2+2(Ex)	**HMT.1/2+2/PT(EX)I**	HI421
HMM.2(Ex)i	**HMT.2/PT (EX)I**	HI501
HMM.2/1+2(Ex)	**HMT.2/1+2/PT(EX)I**	HI511
HMM.2/2+2(Ex)	**HMT.2/2+2/PT(EX)I**	HI521
HMM.4 (Ex)i	**HMT.4/PT (EX)I**	HI251
HMM.4 (Ex)i	**HMT.6/PT (EX)I**	HI321
MPS.4(Ex)i	**MPS.4/PT(EX)I**	MP902
RN.1 (Ex)i	**RFN/PT(EX)I**	RF201
RN2 (Ex)i	**RFN/PT(EX)I**	RF201
RP.4(Ex)i/PT	**RP.4/PT(EX)I**	RP401
SFO.4(Ex)i	**SFO/PT (EX)I**	SF601
SFR.4(Ex)i	**SFR/PT (EX)I**	SF801
SFR.6(Ex)i	**SFR.6/PT(EX)I**	SR401
TC/PO(Ex)i	**CB2/PT (EX)I**	CBX13
TLD.2(Ex)i	**TLD/PT (EX)I**	TL301
VPC.2(Ex)i	**VPC/PT (EX)I**	VP201
VPD.2(Ex)i	**VPD/PT(EX)I**	VP561
EFC.2/BL	**EFC.2/PT/BL**	EFC201BL
EFC.2/1+2/BL	**EFC.2/1+2/PT/BL**	EFC211BL
EFC.2/2+2/BL	**EFC.2/2+2/PT/BL**	EFC221BL
EFCE.2	**EFC.2/PT/BL**	EFC201BL
EFCE.2/1+2	**EFC.2/1+2/PT/BL**	EFC211BL
EFCE.2/2+2	**EFC.2/2+2/PT/BL**	EFC221BL
EFC.4/BL	**EFC.4/PT/BL**	EFC401BL
EFC.4/1+2/BL	**EFC.4/1+2/PT/BL**	EFC411BL
EFC.4/2+2/BL	**EFC.4/2+2/PT/BL**	EFC421BL
EFCE.4	**EFC.4/PT/BL**	EFC401BL
EFCE.4/1+2	**EFC.4/1+2/PT/BL**	EFC411BL
EFCE.4/2+2	**EFC.4/2+2/PT/BL**	EFC421BL
EFD.2/BL	**EFD.2/PT/BL**	EFD201BL
EFD.2/CI/BL	**EFD.2/PT/BL**	EFD201BL
EFD.2/E/GR	**EFD.2/PT/BL**	EFD201BL
EFD.4/BL	**EFD.4/PT/BL**	EFD401BL
EFD.4/1+2/BL	**EFD.4/PT/BL**	EFD401BL
EFD.4/E/GR	**EFD.4/PT/BL**	EFD401BL
EFDE.2	**EFD.2/PT/BL**	EFD201BL
EFDE.4	**EFD.4/PT/BL**	EFD401BL
EFF.4/BL	**EFC.4/PT/BL**	EFC401BL
EFF.4/C48/GR	**EFC.4/PT/BL**	EFC401BL
EFF.4/C230/GR	**EFC.4/PT/BL**	EFC401BL
EFS.2/BL	**EFC.2/PT/BL**	EFC201BL
EFS.4/BL	**EFC.4/PT/BL**	EFC401BL
EFT.2/BL	**EFT.2/PT/BL**	EFT201BL

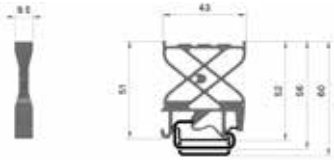
END BRACKETS

TYPE	CODE	DESCRIPTION	MATERIAL	THICKNESS	
BTU	**BT005**	Universal end bracket, suitable for rails conforming to both IEC 60715, "G32" type and IEC 60715/TH35 (our types PR/ DIN and PR/3); it is mounted directly in the desired position and does not require screw fixing.	in black polyamide	8 mm	
BTO	**BT007**	End bracket suitable for IEC 60715/TH35 rails (our types PR/3); it is mounted directly in the desired position and does not require screw fixing. Particularly suitable if there are rail fixing screws with high heads.	in black polyamide	8 mm	
BT/3	**BT003**	To be mounted on rails in accordance with the IEC 60715/TH35 standard (our type PR/3)	in black polyamide	8 mm	
BT/2	**BT006**	To be mounted on rails in accordance with the IEC 60715/TH15 standard (our type PR/2).	in black polyamide	8 mm	

TAG HOLDER SUPPORTS

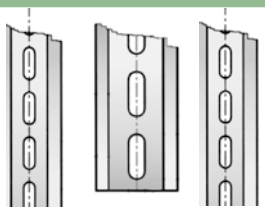
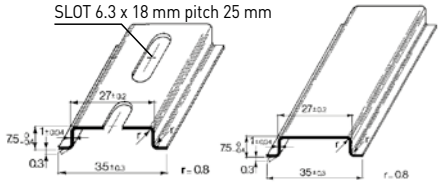
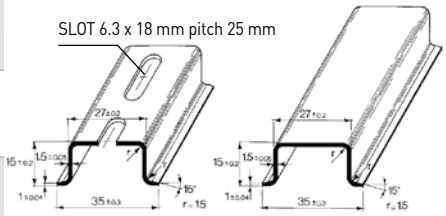
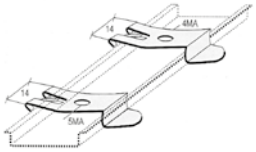
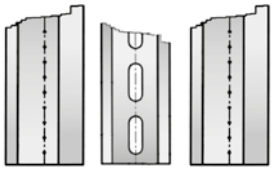
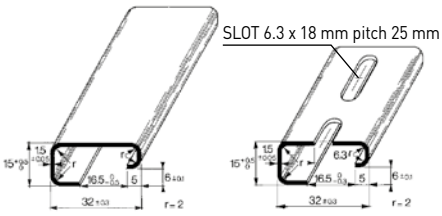
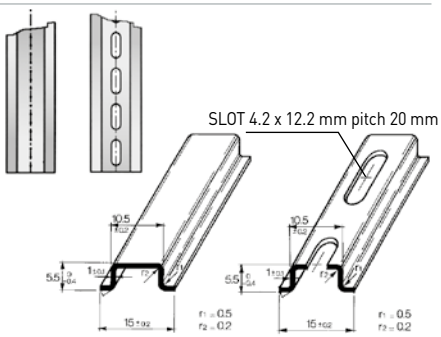
- Universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- Made of 6.6 UL94V-0 polyamide - available in grey (RAL 7042)

VERSION	CODE TYPE	PTM PTM
TECHNICAL CHARACTERISTICS		
Width		43
Thickness		19.5
Height on TH/35 7.5 mm		52
Height on TH/35 15 mm		60
ACCESSORIES		
Adhesive tags		TA1640AW (cod. TA1640AW)
End bracket	Snap-fit TH35 and G32	BTU (cod. BT005)
	Screw G32	BT/DIN/PO (cod. BT001)
	Screw TH35	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)

VERSION	CODE TYPE	PTMS PTMS
TECHNICAL CHARACTERISTICS		
Width		43
Thickness		9.5
Height on TH/35 7.5 mm		52
Height on TH/35 15 mm		60
ACCESSORIES		
Adhesive tags		TA407AW (cod. TA407AW)
End bracket	Snap-fit TH35 and G32	BTU (cod. BT005)
	Screw G32	BT/DIN/PO (cod. BT001)
	Screw TH35	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)

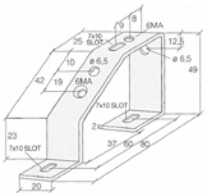
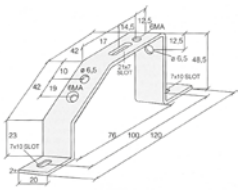
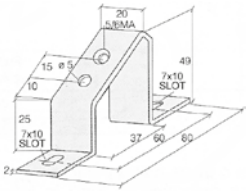
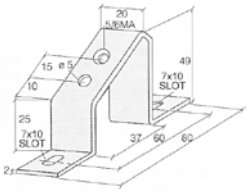
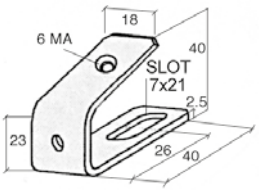
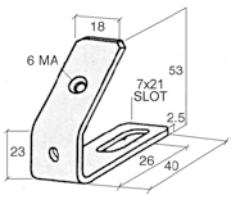
MOUNTING RAILS

- Conforming to IEC60715/TH35 - 7.5
- Conforming to IEC60715/TH35 - 15
- Supports for TH/35 rail
- Rail supplied with 2m bars

DESCRIPTION	MATERIAL	TYPE	CODE	DIAGRAMS
Rail conforming to IEC 60715/TH35 - 7.5	in passivated steel	PR/3/AC	**PR003**	
Rail conforming to IEC 60715/TH35 - 7.5	in white galvanised steel "SENDZMIR" system	PR/3/AC/ZB	**PR903**	
Rail conforming to IEC 60715/TH35 - 7.5	in passivated steel with slots	PR/3/AS	**PR005**	
Rail conforming to IEC 60715/TH35 - 7.5	in white galvanised steel "SENDZMIR" system with slots	PR/3/AS/ZB	**PR905**	
Rail conforming to IEC 60715/TH35 - 15	in passivated steel	PR/3/PP	**PR007**	
Rail conforming to IEC 60715/TH35 - 15	in white galvanised steel "SENDZMIR" system	PR/3/PP/ZB	**PR907**	
Rail conforming to IEC 60715/TH35 - 15	in passivated steel with slots	PR/3/PA	**PR006**	
Rail conforming to IEC 60715/TH35 - 15	in white galvanised steel "SENDZMIR" system with slots	PR/3/PA/ZB	**PR906**	
Support for IEC 60715/TH35 rails	in nickel-plated steel with rapid-mounting system 4 MA	ACI121017	**Z121017**	
Support for IEC 60715/TH35 rails	in nickel-plated steel with rapid-mounting system 5 MA	ACI121019	**Z121019**	
Rail conforming to IEC 60715, "G32" type	in passivated steel	PR/DIN/AC	**PR001**	
Rail conforming to IEC 60715, "G32" type	in white galvanised steel "SENDZMIR" system	PR/DIN/AC/ZB	**PR901**	
Rail conforming to IEC 60715, "G32" type	in passivated steel with slots	PR/DIN/AS	**PR004**	
Rail conforming to IEC 60715, "G32" type	in white galvanised steel "SENDZMIR" system with slots	PR/DIN/AS/ZB	**PR904**	
Rail conforming to IEC 60715, "G32" type	in aluminium	PR/DIN/AL	**PR002**	
Rail conforming to IEC 60715/TH15 - 5.5	in passivated steel	PR/2/AC	**PR009**	
Rail conforming to IEC 60715/TH15 - 5.5	in white galvanised steel "SENDZMIR" system	PR/2/AC/ZB	**PR909**	
Rail conforming to IEC 60715/TH15 - 5.5	in passivated steel with slots	PR/2/AS	**PR010**	
Rail conforming to IEC 60715/TH15 - 5.5	in white galvanised steel "SENDZMIR" system with slots	PR/2/AS/ZB	**PR910**	

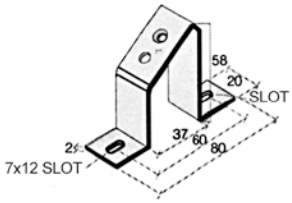
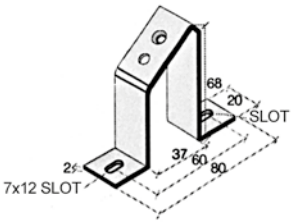
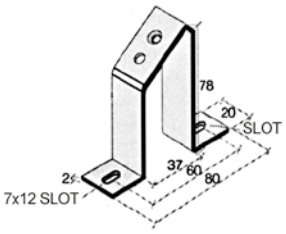
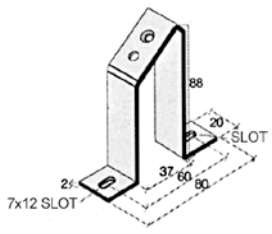
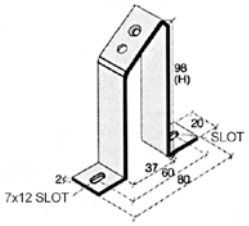
ACCESSORIES FOR MOUNTING RAILS

- Inclined bracket
- galvanised busbar holder inclined brackets suitable for fixing terminal block holder rails - M6 thread
- galvanised standard busbar holder flat brackets suitable for fixing terminal block holder rails - M6 thread

DESCRIPTION	TYPE	CODE	DIAGRAMS
Zinc-plated inclined bracket Copper 6 x 6 mm busbar holder for mounting of terminal block holder rails, with the possibility of mounting a (collecting) busbar along the entire length of the terminal block.	ACI121116	Z121116	
Zinc-plated inclined bracket Copper 6 x 6 mm busbar holder for mounting of terminal block holder rails, with the possibility of mounting a (collecting) busbar along the entire length of the terminal block.	ACI121301	Z121301	
Zinc-plated inclined bracket Standard type 2 M5 busbar holder with 2 screw fixing.	ACI121311	Z121311	
Zinc-plated inclined bracket Copper type 2 M6 busbar holder with 2 screw fixing.	ACI121314	Z121314	
Inclined bracket at 30° Standard type 6 M6 busbar holder with 1 screw fixing.	ACI121415	Z121415	
Inclined bracket at 45° Standard type 1 M6 busbar holder with 1 screw fixing.	ACI121228	Z121228	

ACCESSORIES FOR MOUNTING RAILS

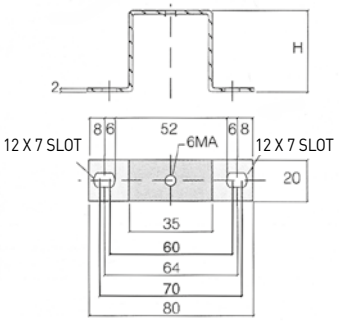
- Inclined bracket
- galvanised busbar holder inclined brackets suitable for fixing terminal block holder rails - M6 thread
- galvanised standard busbar holder flat brackets suitable for fixing terminal block holder rails - M6 thread

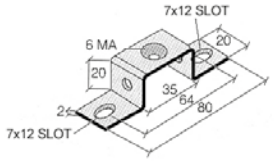
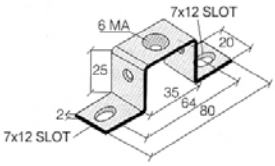
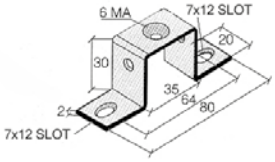
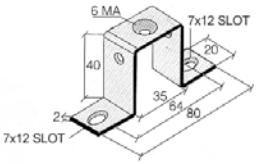
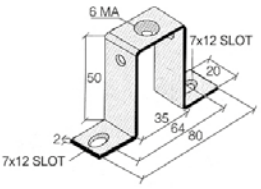
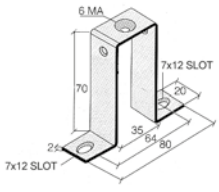
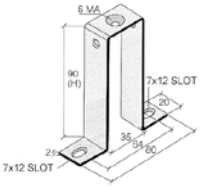
DESCRIPTION	TYPE	CODE	DIAGRAMS
Inclined rail holder, standard H = 58 mm	ACI121316	Z121316	
Inclined rail holder, standard H = 68 mm	ACI121317	Z121317	
Inclined rail holder, standard H = 78 mm	ACI121318	Z121318	
Inclined rail holder, standard H = 88 mm	ACI121319	Z121319	
Inclined rail holder, standard H = 98 mm	ACI121410	Z121410	

ACCESSORIES FOR MOUNTING RAILS

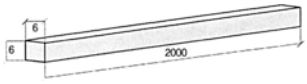
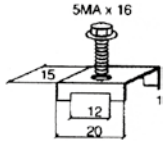
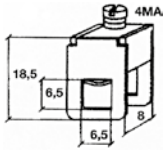
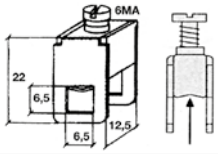
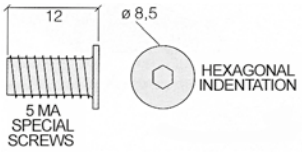
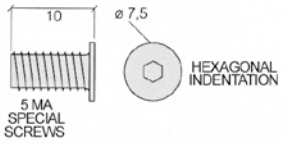
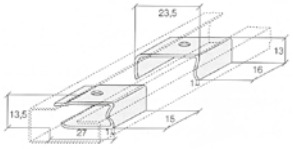
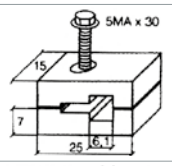
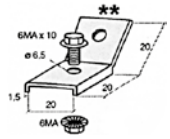
- Inclined bracket
- galvanised busbar holder inclined brackets suitable for fixing terminal block holder rails - M6 thread
- galvanised standard busbar holder flat brackets suitable for fixing terminal block holder rails - M6 thread

Fixing distance between centers, with 6MA screw, from 60 to 70 mm



DESCRIPTION	TYPE	CODE	DIAGRAMS
Flat rail support, standard H = 20 mm	ACI121213	Z121213	
Flat rail support, standard H = 25 mm	ACI121214	Z121214	
Flat rail support, standard H = 30 mm	ACI121215	Z121215	
Flat rail support, standard H = 40 mm	ACI121216	Z121216	
Flat rail support, standard H = 50 mm	ACI121217	Z121217	
Flat rail support, standard H = 70 mm	ACI121218	Z121218	
Flat rail support, standard H = 90 mm	ACI121219	Z121219	

ACCESSORIES FOR MOUNTING RAILS

DESCRIPTION	TYPE	CODE	DIAGRAMS
6 x 6 mm copper busbar L = 2,000 appropriate for assembly with terminal blocks electrical wire grounding	ACI121123	Z121123	
6 x 6 mm copper busbar blocking terminal with 6 MA x 12 mm screws	ACI121118	Z121118	
Terminal with saddle for 6 x 6 mm copper busbar wire section 0.5-16 mm²	ACI121119	Z121119	
Terminal with saddle for 6 x 6 mm copper busbar wire section 4-35 mm²	ACI121121	Z121121	
Special hexagon slot 6 MA x 12 mm screw	ACI121026	Z121026	
Special hexagon slot 5 MA x 10 mm screw	ACI121421	Z121421	
4 MA nut for rapid mounting for 32 x 9 x 15 mm steel bar	ACI121211	Z121211	
5 MA nut for rapid mounting for 32 x 9 x 15 mm steel bar	ACI121212	Z121212	
6 x 6 mm copper busbar blocking terminal with 6 MA x 25 mm screws	ACI121221	Z121221	
Inclined copper busbar support with 6 MA x 10 mm screws and 6 MA nut	ACI121307	Z121307	

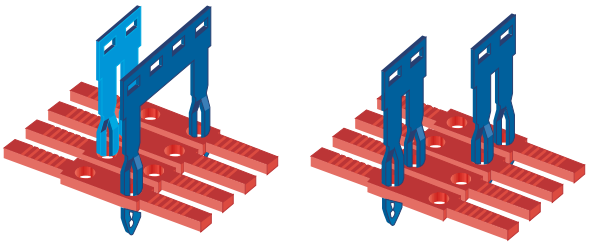
PRE-ASSEMBLED CROSS CONNECTIONS

- These are supplied pre-assembled for 2-3-5-10 poles
- They allow cross connection of two or more contiguous terminal blocks and are placed in an accident prevention position with respect to the outside
- all the components are made of brass with nickedl-plating surface treatment

TERMINAL BLOCK	2-POLE JUMPER		3-POLE JUMPER		5-POLE JUMPER		10-POLE JUMPER	
	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE
CBD.2	PM/20/2	**PM202**	PM/20/3	**PM203**	PM/20/5	**PM205**	PM/20/10	**PM210**
CBD.4	PM/40/2	**PM402**	PM/40/3	**PM403**	PM/40/5	**PM405**	PM/40/10	**PM400**
CBD.6	PM/60/2	**PM602**	PM/60/3	**PM603**	PM/60/5	**PM605**	PM/60/10	**PM610**
CBD.10	PM/10/2	**PM102**	PM/10/3	**PM103**	PM/10/5	**PM105**	PM/10/10	**PM100**
CBR.2	PM/25/2	**PM252**	PM/25/3	**PM253**	PM/25/5	**PM255**	PM/25/10	**PM250**
CVF.4	PM/40/2	**PM402**	-	**-**	-	**-**	-	**-**
DAS.4	PM/41/2	**PM412**	PM/51/3	**PM513**	PM/51/5	**PM515**	PM/51/10	**PM510**
RN.1	PM/11/2	**PM112**	PM/11/3	**PM113**	PM/11/5	**PM115**	PM/11/10	**PM110**
RP.4	PM/41/2	**PM412**	PM/51/3	**PM513**	PM/51/5	**PM515**	PM/51/10	**PM510**
SCB.4	PM/40/2	**PM402**	PM/40/3	**PM403**	PM/40/5	**PM405**	PM/40/10	**PM410**
TDE.2	PM/20/2	**PM202**	PM/30/3	**PM303**	PM/30/5	**PM305**	PM/30/10	**PM310**
TLD.2	PM/20/2	**PM202**	PM/30/3	**PM303**	PM/30/5	**PM305**	PM/30/10	**PM310**
TLE.2	PM/20/2	**PM202**	PM/30/3	**PM303**	PM/30/5	**PM305**	PM/30/10	**PM310**
TLS.2	PM/20/2	**PM202**	PM/30/3	**PM303**	PM/30/5	**PM305**	PM/30/10	**PM310**
RN.2	PM/12/2	**PM122**	PM/12/3	**PM123**	PM/12/5	**PM125**	PM/12/10	**PM120**
MAC.6	PIL/2	**PIL02**	PIL/3	**PIL03**	PIL/4	**PIL04**	PIL/8	**PIL08**

CROSS CONNECTIONS EASY BRIDGE SYSTEM

- Snap coupling, with no screws
- Possibility of cross and offset-pole connection
- when inserted, intrinsically IPXXB protected installation, without the aid of further insulating protections
- System covered by patent



TERMINAL BLOCK	2-POLE JUMPER		3-POLE JUMPER		5-POLE JUMPER		10-POLE JUMPER		JUMPER L = 250 MM		
	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	POLES
CBC.2	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
CBC.4	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
CBC.6	PTC/6/02	PTC0602	PTC/6/03	PTC0603	PTC/6/05	PTC0605	PTC/6/10	PTC0610	PTC/6/00	PTC0600	31
CBC.10	PTC/10/02	PTC1002	PTC/10/03	PTC1003	PTC/10/05	PTC1005	PTC/10/10	PTC1010	PTC/10/00	PTC1000	25
DBC.2	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
DSFA.4	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
DSS.4	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
HMM.1/GR (1)	PTC/1/02	PTC0102	PTC/1/03	PTC0103	PTC/1/05	PTC0105	PTC/1/10	PTC0110	PTC/1/00	PTC0100	50
HMD.1/GR	PTC/1/02	PTC0102	PTC/1/03	PTC0103	PTC/1/05	PTC0105	PTC/1/10	PTC0110	PTC/1/00	PTC0100	50
HCD.1/GR	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
HDE.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HLD.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HFR.4/GR	PTC/5/02	PTC0502	-	-	-	-	-	-	-	-	-
HFR.4/M/GR	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HMM.2/GR (1)	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMS.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMFA.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HMM.4/GR (1)	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HMFA.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HSCB.4/GR	PTC/5/02	PTC0502	PTC/5/03	PTC0503	PTC/5/05	PTC0505	PTC/5/10	PTC0510	PTC/5/00	PTC0500	40
HSCB.6/GR	PTC/8/02	PTC0802	PTC/8/03	PTC0803	PTC/8/05	PTC0805	PTC/8/10	PTC0810	PTC/8/00	PTC0800	30
HMM.6/GR	PTC/8/02	PTC0802	PTC/8/03	PTC0803	PTC/8/05	PTC0805	PTC/8/10	PTC0810	PTC/8/00	PTC0800	30
HMM.10/GR	PTC/11/02	PTC1102	PTC/11/03	PTC1103	PTC/11/05	PTC1105	PTC/11/10	PTC1110	PTC/11/00	PTC1100	25
HMM.16/GR	PTC/16/02	PTC1602	PTC/16/03	PTC1603	PTC/16/05	PTC1605	PTC/16/10	PTC1610	PTC/16/00	PTC1600	20
HVPC.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
CHP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
CHP.2D/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HPP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HP.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
HPC.2/GR	PTC/3/02	PTC0302	PTC/3/03	PTC0303	PTC/3/05	PTC0305	PTC/3/10	PTC0310	PTC/3/00	PTC0300	47
MPS.4	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
MPFA.4	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42
SFR.6	PTC/20/02	PTC2002	PTC/20/03	PTC2003	PTC/20/05	PTC2005	PTC/20/10	PTC2010	PTC/20/00	PTC2000	25
VPC.2	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
VPD.2	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
CBS.2	PTC/2/02	PTC0202	PTC/2/03	PTC0203	PTC/2/05	PTC0205	PTC/2/10	PTC0210	PTC/2/00	PTC0200	50
CBS.4 - CBF.4	PTC/4/02	PTC0402	PTC/4/03	PTC0403	PTC/4/05	PTC0405	PTC/4/10	PTC0410	PTC/4/00	PTC0400	42

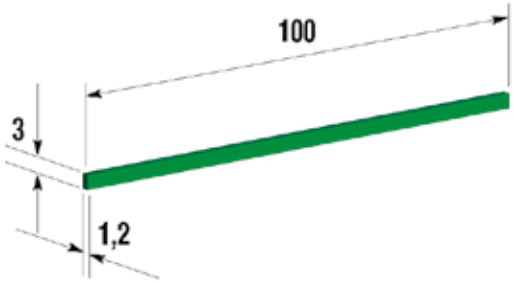
(1) Including the versions /1+2, /2+2 and/or the corresponding earth terminal blocks, if available.

After cutting the bar for the number of poles necessary, insert the cross connection in the special cavity of the terminal block.
At this point working with the tip of a screwdriver, push the cross connection up to the locking point. The cross connection will be completely isolated and intrinsically IPXXB protected.

After inserting the cross connection, the poles connected can be highlighted with the aid of the green insert, PTC/SP. This accessory is supplied in the standard length of 100 mm and can easily be sliced with the aid of a simple cutter.

To remove the cross connection it is sufficient to remove the PTC/SP insert, insert the tip of the screwdriver in the slot of the cross connection itself, lever it and pull it out.

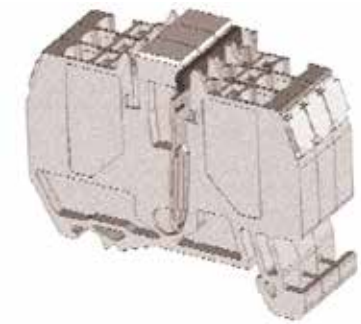
CROSS CONNECTIONS EASY BRIDGE SYSTEM

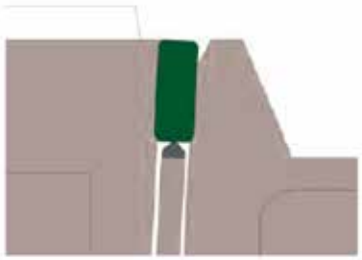


In panels with little light, seeing clearly where the cross connections are inserted is not always immediate and easy if particular attention is not paid; this can cause connection errors.
It is precisely to solve this problem that Cabur has created a marker to be used on its terminal blocks that adopt PTC cross connections, in order to make locating them easier, after insertion.

A **single model was created (PTC/SP - Cat. No. PTC0990)** common to all terminal blocks, irrespective of the pitch or the model of the PTC cross connection used. The marker must be housed in the cross-connection seat; stability on the terminal block is guaranteed by the friction on the walls of the cross-connection insertion grooves.

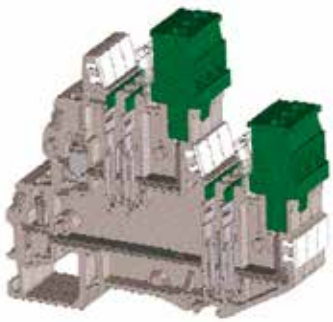
Note:
application of the PTC/SP marker is possible on all terminal blocks that adopt PTC cross connections (as in the list) with the exception of the HCD.1 and HMD.2N terminal blocks: in these two terminal blocks the shape of the cross-connection seat makes it impossible to obtain the friction necessary to guarantee stably the positioning and permanence. In the same way the cross connections of these two terminal blocks have a less deep introduction compared to all the others and therefore the presence of the cross connection can be seen without the need for the marker.

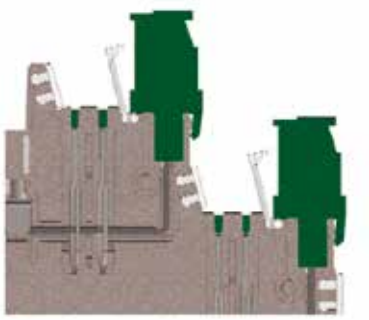




Examples of application on the HMM.2 terminal block.
The dimensions of the marker have been studied so as not to protrude from the profile of any of the terminal blocks on which it can be applied, so as not to interfere with numbering, cables or other accessories.

The marker can be applied also in the case of double cross connections. It is to be noted that the marker can be applied in the presence of other accessories, without having to be extracted in advance.





Examples of application on the VPD.2 terminal block.
The marker is produced in sticks of a length of.100 mm each and is supplied in green. Users can.autonomously reduce its length according to their needs.

The cutting operation is possible with no difficulty using a common pair of pliers, because the thickness of the sticks, made of polyamide, is only 1.20 mm.

CROSS CONNECTIONS EASY BRIDGE SYSTEM

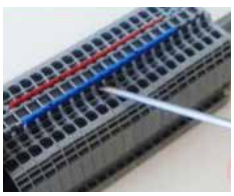
- Snap coupling, with no screws
- Possibility of cross and offset-pole connection
- when inserted, intrinsically IPXXB protected installation, without the aid of further insulating protections
- Colours red or blue for immediate visibility of the cross connection and identification of polarity or phase
- Upper surface markable with indelible marker pen

TERMINAL BLOCK	JUMPER COLOUR	2-POLE JUMPER		3-POLE JUMPER		5-POLE JUMPER		10-POLE JUMPER		30-POLE JUMPER	
		TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE
CBC.2/GR	RED	**PTP/2/02/R**	PTP0202R	**PTP/2/03/R**	PTP0203R	**PTP/2/05/R**	PTP0205R	**PTP/2/10/R**	PTP0210R	**PTP/2/30/R**	PTP0230R
	BLUE	**PTP/2/02/B**	PTP0202B	**PTP/2/03/B**	PTP0203B	**PTP/2/05/B**	PTP0205B	**PTP/2/10/B**	PTP0210B	**PTP/2/30/B**	PTP0230B
CBC.4/GR	RED	**PTP/4/02/R**	PTP0402R	**PTP/4/03/R**	PTP0403R	**PTP/4/05/R**	PTP0405R	**PTP/4/10/R**	PTP0410R	**PTP/4/30/R**	PTP0430R
	BLUE	**PTP/4/02/B**	PTP0402B	**PTP/4/03/B**	PTP0403B	**PTP/4/05/B**	PTP0405B	**PTP/4/10/B**	PTP0410B	**PTP/4/30/B**	PTP0430B
CBS.2 and CBS.2/GR	RED	**PTP/2/02/R**	PTP0202R	**PTP/2/03/R**	PTP0203R	**PTP/2/05/R**	PTP0205R	**PTP/2/10/R**	PTP0210R	**PTP/2/30/R**	PTP0230R
	BLUE	**PTP/2/02/B**	PTP0202B	**PTP/2/03/B**	PTP0203B	**PTP/2/05/B**	PTP0205B	**PTP/2/10/B**	PTP0210B	**PTP/2/30/B**	PTP0230B
CBS.4 and CBS.4/GR	RED	**PTP/4/02/R**	PTP0402R	**PTP/4/03/R**	PTP0403R	**PTP/4/05/R**	PTP0405R	**PTP/4/10/R**	PTP0410R	**PTP/4/30/R**	PTP0430R
	BLUE	**PTP/4/02/B**	PTP0402B	**PTP/4/03/B**	PTP0403B	**PTP/4/05/B**	PTP0405B	**PTP/4/10/B**	PTP0410B	**PTP/4/30/B**	PTP0430B
CBF.4/GR	RED	**PTP/4/02/R**	PTP0402R	**PTP/4/03/R**	PTP0403R	**PTP/4/05/R**	PTP0405R	**PTP/4/10/R**	PTP0410R	**PTP/4/30/R**	PTP0430R
	BLUE	**PTP/4/02/B**	PTP0402B	**PTP/4/03/B**	PTP0403B	**PTP/4/05/B**	PTP0405B	**PTP/4/10/B**	PTP0410B	**PTP/4/30/B**	PTP0430B
HMM.2/GR (1)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HMM.4/GR (1)	RED	**PTP/5/02/R**	PTP0502R	**PTP/5/03/R**	PTP0503R	**PTP/5/05/R**	PTP0505R	**PTP/5/10/R**	PTP0510R	**PTP/5/30/R**	PTP0530R
	BLUE	**PTP/5/02/B**	PTP0502B	**PTP/5/03/B**	PTP0503B	**PTP/5/05/B**	PTP0505B	**PTP/5/10/B**	PTP0510B	**PTP/5/30/B**	PTP0530B
HMD.2N/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HLD.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HDE.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
CHP.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
CHP.2D/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HVPC.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HMS.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HMFA.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HSCB.4/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HFR.4/M/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
DBC.2/GR	RED	**PTP/2D/02/R**	PTP02D02R	**PTP/2D/03/R**	PTP02D03R	**PTP/2D/05/R**	PTP02D05R	**PTP/2D/10/R**	PTP02D10R	**PTP/2D/30/R**	PTP02D30R
	BLUE	**PTP/2D/02/B**	PTP02D02B	**PTP/2D/03/B**	PTP02D03B	**PTP/2D/05/B**	PTP02D05B	**PTP/2D/10/B**	PTP02D10B	**PTP/2D/30/B**	PTP02D30B
DBC.4/GR	RED	**PTP/4D/02/R**	PTP04D02R	**PTP/4D/03/R**	PTP04D03R	**PTP/4D/05/R**	PTP04D05R	**PTP/4D/10/R**	PTP04D10R	**PTP/4D/30/R**	PTP04D30R
	BLUE	**PTP/4D/02/B**	PTP04D02B	**PTP/4D/03/B**	PTP04D03B	**PTP/4D/05/B**	PTP04D05B	**PTP/4D/10/B**	PTP04D10B	**PTP/4D/30/B**	PTP04D30B

(1) Including the versions /1+2, /2+2 and/or the corresponding earth terminal blocks, if available.

After cutting the bar for the number of poles necessary, insert the cross connection in the special seat in the terminal block. With the tip of the screwdriver push the cross-connection until it comes to a stop. The cross connection will be completely insulated, intrinsically IPXXB protected and visible.

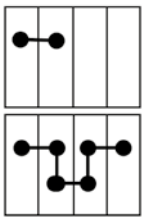
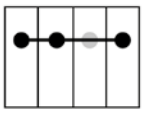
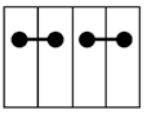
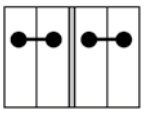
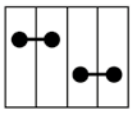
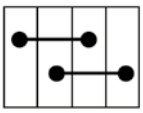
The upper surface can be marked with an indelible marker pen to indicate the presence of the pole and of the electrical connection with the underlying terminal block in cross connections with alternating poles



To remove the cross connection it is sufficient to insert the tip of the screwdriver in the slot of the cross connection itself and lever it to pull it out; with cross connections of more than 5 poles lever gradually at the centre and at the two ends until it is completely extracted

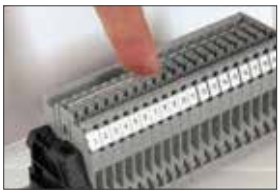
CROSS CONNECTIONS
EASY BRIDGE AND EASY BRIDGE PLUS SYSTEMS

To guarantee the correct safety conditions, after insertion and depending on the multiple connection schemes obtainable using the PTC/PTP cross connections, the table below is provided:

PTC/PTP CROSS CONNECTION SCHEMES					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER OR END SECTION	OFFSET	CROSSED
					

TERMINAL BLOCK	JUMPER TYPE	ISOLATION VOLTAGE IN THE ABOVE CONFIGURATIONS (V)					
		SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER OR END SECTION	OFFSET	CROSSED
CBC.2	**PTC/2 PTP/2**	630	630	-	500	500	500
CBC.4	**PTC/4 PTP/4**	630	500	-	500	500	500
CBC.6	**PTC/6**	630	630	-	630	630	500
CBC.10	**PTC/10**	800	630	-	630	800	500
VPC.2	**PTC/2**	320	320	-	320	320	320
HMFA.2 - HMS.2	**PTC/3**	630	500	-	500 (1)	-	-
HMM.1 Series	**PTC/1**	630	630	-	320	630	630
HMM.2 Series	**PTC/3 PTP/3**	630	500	-	500 (1)	630	630
HMM.4 Series	**PTC/5 PTP/5**	500	500	-	500 (1)	500	500
HMM.10	**PTC/11**	1000	1000	-	800	1000	1000
HMM.16	**PTC/16**	1000	1000	-	800	1000	800
DBC.2	**PTC/2**	630	500	-	250 (2)	500	500
DBC.2	**PTC/2**	630	500	-	630 (3)	500	500
HCD.1	**PTC/2**	320	320	-	320	320	320
HVPC.2/GR	**PTC/3**	500	500	-	500 (1)	500	500
CHP.2/GR - CHP.2D/GR	**PTC/11**	500 (630)	500	-	400 (1)	-	-
HPP.2/GR - HP.2/GR	**PTC/3**	400	400	-	800 (1)	500	400
HPC.2/GR	**PTC/3**	400	400	-	800 (1)	400	400
SFR.6	**PTC/20**	630	630	400	630	630	500
MPS.4-MPFA.4	**PTC/4**	400	400	-	400	-	-
DSS.4-DSFA.4	**PTC/4**	400	400	-	400	-	-
HMD.1	**PTC/1**	500	500	-	320	500	500
VPD.2	**PTC/2**	320	320	-	320	320	320
HSCB.4	**PTC/5**	500	500	-	500 (1)	500	500
HSCB.6	**PTC/8**	500	500	-	400	500	500

(1) with interposition of end platelet
(2) between lower adjacent cross connections (with barrier)
(3) between upper adjacent cross connections (with barrier)


CROSS CONNECTIONS FOR HMD.2 AND FDP.2 TERMINAL BLOCKS

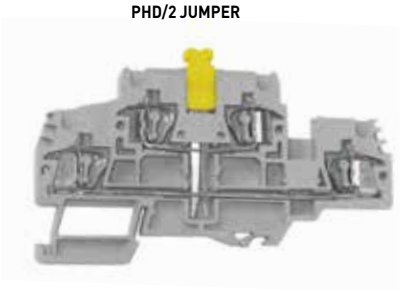
- For HMD.2 and FDP.2 terminal blocks

TERMINAL BLOCK	JUMPER TYPE	CODE
HMD.2	**PH/2.5-4**	PH100
FDP.2	**PH/2.5-4**	PH100

(1) to complete the insertion of the jumpers, the use of screwdriver is necessary

PH JUMPER

PHD/2 JUMPER



HMD.2/GR CAT. NO. HD100GR

FOR MINI SPRING-CLAMP TERMINAL BLOCKS

TERMINAL BLOCK	2-POLE JUMPER		3-POLE JUMPER		5-POLE JUMPER	
	TYPE	CODE	TYPE	CODE	TYPE	CODE
HP.2/P	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205
HPC.2/P	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205
HPP.2/P	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205

FOR EFC TERMINAL BLOCKS

TERMINAL BLOCK	COLOUR	2-POLE JUMPER		3-POLE JUMPER		5-POLE JUMPER		10-POLE JUMPER	
		TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE
EFC.2 SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B
EFCE.2 SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B
EFC.4 SERIES	Red	**EFB.4/2/R**	EFB0402R	**EFB.4/3/R**	EFB0403R	**EFB.4/5/R**	EFB0405R	**EFB.4/10/R**	EFB0410R
	Blue	**EFB.4/2/B**	EFB0402B	**EFB.4/3/B**	EFB0403B	**EFB.4/5/B**	EFB0405B	**EFB.4/10/B**	EFB0410B
EFCE.4 SERIES	Red	**EFB.4/2/R**	EFB0402R	**EFB.4/3/R**	EFB0403R	**EFB.4/5/R**	EFB0405R	**EFB.4/10/R**	EFB0410R
	Blue	**EFB.4/2/B**	EFB0402B	**EFB.4/3/B**	EFB0403B	**EFB.4/5/B**	EFB0405B	**EFB.4/10/B**	EFB0410B
EFD.2 SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B
EFD.4 SERIES	Red	**EFB.4/2/R**	EFB0402R	**EFB.4/3/R**	EFB0403R	**EFB.4/5/R**	EFB0405R	**EFB.4/10/R**	EFB0410R
	Blue	**EFB.4/2/B**	EFB0402B	**EFB.4/3/B**	EFB0403B	**EFB.4/5/B**	EFB0405B	**EFB.4/10/B**	EFB0410B
EFDE SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B
EFDE SERIES	Red	**EFB.4/2/R**	EFB0402R	**EFB.4/3/R**	EFB0403R	**EFB.4/5/R**	EFB0405R	**EFB.4/10/R**	EFB0410R
	Blue	**EFB.4/2/B**	EFB0402B	**EFB.4/3/B**	EFB0403B	**EFB.4/5/B**	EFB0405B	**EFB.4/10/B**	EFB0410B
EFF.4 SERIES	Red	**EFB.4/2/R**	EFB0402R	**EFB.4/3/R**	EFB0403R	**EFB.4/5/R**	EFB0405R	**EFB.4/10/R**	EFB0410R
	Blue	**EFB.4/2/B**	EFB0402B	**EFB.4/3/B**	EFB0403B	**EFB.4/5/B**	EFB0405B	**EFB.4/10/B**	EFB0410B
EFS SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B
EFS SERIES	Red	**EFB.4/2/R**	EFB0402R	**EFB.4/3/R**	EFB0403R	**EFB.4/5/R**	EFB0405R	**EFB.4/10/R**	EFB0410R
	Blue	**EFB.4/2/B**	EFB0402B	**EFB.4/3/B**	EFB0403B	**EFB.4/5/B**	EFB0405B	**EFB.4/10/B**	EFB0410B
EFT.2 SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B
EFDS SERIES	Red	**EFB.2/2/R**	EFB0202R	**EFB.2/3/R**	EFB0203R	**EFB.2/5/R**	EFB0205R	**EFB.2/10/R**	EFB0210R
	Blue	**EFB.2/2/B**	EFB0202B	**EFB.2/3/B**	EFB0203B	**EFB.2/5/B**	EFB0205B	**EFB.2/10/B**	EFB0210B

POF PERMANENT CROSS CONNECTIONS

They enable cross connection of two adjacent terminal blocks and are placed in an accident prevention position with respect to the outside.

The POF is made up of:
- 2 screws
- 2 sleeves (except POF/95/.., POF/150/.., POF/240/..)
- 1 plate with 2 holes

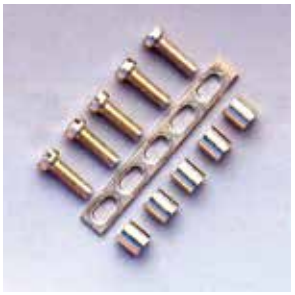
All the components are in brass, with nickel plating.

TERMINAL BLOCK	JUMPER TYPE	CODE	SCREW M X L (MM)	SLEEVE Ø X L (MM)	PLATE L X S (MM)
CBC.16	**POF/53**	POF53	M4 x 21	8 x 15	7 x 1.5
CBC.35	**POF/35**	POF35	M4 x 21	8 x 12	10 x 4
CBD.16	**POF/44**	POF44	M4 x 16	6 x 9.5	7 x 1.5
CBD.35	**POF/06**	POF06	M4 x 21	8 x 12	8 x 2.5
CBD.50	**POF/07**	POF07	M5 x 20	8 x 12	10 x 2,5
CBD.70	**POF/08**	POF08	M5 x 25	8 x 15	10 x 2,5
SCB.6	**POF/57**	POF57	M3.5 x 28	6 x 19	7 x 1
SCB.10	**POF/56**	POF56	M4.5 x 20	7 x 13.5	7 x 1.5
GPM.95 (2 poles)	**POF/95/2**	PO952	M5 x 20	-	10 x 10
GPM.95 (3 poles)	**POF/95/3**	PO953	M5 x 20	-	10 x 10
GPM.150 (2 poles)	**POF/150/2**	PO152	M5 x 20	-	10 x 10
GPM.150 (3 poles)	**POF/150/3**	PO153	M5 x 20	-	10 x 10
GPM.240 (2 poles)	**POF/240/2**	PO242	M5 x 30	-	10 x 15
GPM.240 (3 poles)	**POF/240/3**	PO243	M5 x 30	-	10 x 15
GPA.70 - GPA.70/FIX	**POF/70**	POF70	M5 x 35	8 x 23.5	10 x 3

(1) For terminal blocks that normally require POF connections, where they are to be inserted in "increased safety" installations (Ex e), the use of PFX cross connections is required; they include an anti-loosening washer

PMP COMMONING BARS
CPM SHUNTING SCREWS AND SLEEVES

The **PMP** commoning bar, suitable for multiple connection of several terminal blocks, whether adjacent or not, is supplied in 250 mm sections with holes adequate for the pitch of each terminal block. The bar is supported and fixed, in correspondence with each element, by a special **CPM** sleeve screw.
In use on terminal boards destined for "increased safety" (Ex e) plants the CPM screws/sleeves are fitted with self-locking washers and their part number is changed to **CPX**.



TERMINAL BLOCK	COMMONING BAR		L X S MM	SCREW/SLEEVE		SCREW/SLEEVE (EX E)	
	TYPE	CODE		TYPE	CODE	TYPE	CODE
CBC.16	**PMP/05**	PMP05	7 x 1.5	**CPM/53**	CPM53	**CPX/53**	CPX53
CBC.35	**PMP/35**	PMP35	10 x 4	**CPM/35**	CPM35	**CPX/35**	CPX35
CBD.2	**PMP/01**	PMP01	5.5 x 0.6	**CPM/21**	CPM21	**CPX/21**	CPX21
CBD.4	**PMP/42**	PMP42	5.5 x 0.6	**CPM/12**	CPM12	**CPX/12**	CPX12
CBD.6	**PMP/13**	PMP13	7 x 1	**CPM/83**	CPM83	**CPX/83**	CPX83
CBD.10	**PMP/04**	PMP04	7 x 1.5	**CPM/03**	CPM03	**CPX/03**	CPX03
CBD.16	**PMP/05**	PMP05	7 x 1.5	**CPM/44**	CPM44	**CPX/44**	CPX44
CBD.35	**PMP/06**	PMP06	8 x 2.5	**CPM/06**	CPM06	**CPX/06**	CPX06
CBD.50	**PMP/07**	PMP07	10 x 2.5	**CPM/07**	CPM07	**CPX/07**	CPX07
CBD.70	**PMP/08**	PMP08	10 x 2.5	**CPM/08**	CPM08	**CPX/08**	CPX08
CBR.2	**PMP/25**	PMP25	5.5 x 0.6	**CPM/25**	CPM25	**-**	-
CVF.4	**PMP/58**	PMP58	5.5 x 0.6	**CPM/12**	CPM12	**-**	-
DAS.4	**PMP/58**	PMP58	5.5 x 0.6	**CPM/01**	CPM01	**CPX/01**	CPX01
FFS.4	**PMP/42**	PMP42	5.5 x 0.6	**CPM/01**	CPM01	**CPX/01**	CPX01
FVS.4	**PMP/42**	PMP42	5.5 x 0.6	**CPM/01**	CPM01	**CPX/01**	CPX01
GPA.70 - GPA.70/FIX	**PMP/08**	PMP08	10 x 2.5	**CPM/70**	CPM70	**-**	-
RN.1	**PMP/16**	PMP16	5.5 x 0.6	**CPM/16**	CPM16	**-**	-
RN.2	**PMP/25**	PMP25	5.5 x 0.6	**CPM/16**	CPM16	**CPX/16**	CPX16
RP.4	**PMP/58**	PMP58	5.5 x 0.6	**CPM/01**	CPM01	**CPX/01**	CPX01
SCB.4	**PMP/02**	PMP02	5.5 x 0.6	**CPM/01**	CPM01	**-**	-
SCB.6	**PMP/13**	PMP13	7 x 1	**CPM/57**	CPM57	**-**	-
SCB.10	**PMP/56**	PMP56	7 x 1.5	**CPM/56**	CPM56	**-**	-
TDE.2	**PMP/02**	PMP02	5.5 x 0.6	**CPM/21**	CPM21	**-**	-
TLD.2	**PMP/02**	PMP02	5.5 x 0.6	**CPM/21**	CPM21	**-**	-
TLE.2	**PMP/02**	PMP02	5.5 x 0.6	**CPM/21**	CPM21	**-**	-
TLS.2	**PMP/02**	PMP02	5.5 x 0.6	**CPM/21**	CPM21	**-**	-

POS SWITCHABLE CROSS CONNECTIONS

If the linking of adjacent terminal blocks is occasional, a POS switchable cross connection may be used; it consists of:

- 2 screws
- 2 sleeves
- 1 linking plate with open slot, allowing easy opening and closing of the cross connection

TERMINAL BLOCK	CROSS CONNECTION		SCREW M X L (MM)	SLEEVE Ø X L (MM)
	TYPE	CODE		
CBC.16	**POS/53**	POS53	4 x 35	5.1 x 30
CBD.2	**POS/11**	POS11	2.5 x 22	4 x 18
CBD.4	**POS/42**	POS42	3 x 28	4 x 23
CBD.6	**POS/93**	POS93	3.5 x 27	5.5 x 21.5
CBD.10	**POS/44**	POS44	4 x 30	5.5 x 21.5
CBD.16	**POS/44**	POS44	4 x 30	5.5 x 21.5
CBD.35	**POS/66**	POS66	4 x 30	8 x 23.5
CBD.50	**POS/77**	POS77	5 x 30	8 x 23.5
CBD.70	**POS/08**	POS08	5 x 40	8 x 30
DAS.4	**POS/43**	POS43	3 x 20	4 x 16
FFS.4	**POS/72**	POS72	3 x 20	4 x 14.5
FVS.4	**POS/72**	POS72	3 x 20	4 x 14.5
TLD.2	**POS/41**	POS41	2.5 x 16	4 x 12.7
TLS.2	**POS/41**	POS41	2.5 x 16	4 x 12.7
RP.4	**POS/43**	POS43	3 x 20	4 x 16
SCB.4	**POS/12**	POS12	3x22	4x18

MODULAR TEST PLUGS

The modular test plugs make it possible to carry out the final check on terminal boards already wired or a simple derivation.
The tester is positioned directly in the housing of the terminal block like a normal test plug. The extreme simplicity of the modularity makes it possible to assemble the tester in a number of poles according to the various needs.

MODULAR TEST PLUGS FOR SCREW CLAMP TERMINAL BLOCKS

CODE / TYPE	DD005 SDD/5	DD006 SDD/6	DD501 SD5/PT	DD601 SD6/PT
DESCRIPTION	pitch 5.5 mm. for terminal blocks type CBD.2	pitch 6.5 mm. for terminal blocks type CBD.4	closing element for SDD/5	closing element for SDD/6

CODE / TYPE	DC005 SDC/5	DC006 SDC/6	DC05P SDC/5P	DC06P SDC/6P
DESCRIPTION	pitch 5 mm. for terminal blocks type CBC.2/GR	pitch 6 mm. for terminal blocks type CBC.4/GR	version to be used with PTC jumper	version to be used with PTC jumper

CODE / TYPE	DC05V SDC/5V	DC06V SDC/6V	DCPOL SDC/POL
DESCRIPTION	intermediate distancing element	intermediate distancing element	polarising element

SDD

closing element SD.x/PT

SDC/6 once mounted

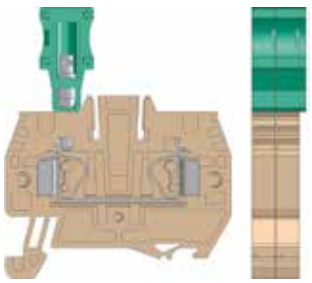
SDC/6-P once mounted

SDC/6 with cable composition

TEST PLUGS FOR SPRING-CLAMP TERMINAL BLOCKS

CODE / TYPE	DH004 SDH/4	DH005 SDH/5	DH006 SDH/6	DH007 SDH/7
DESCRIPTION	pitch 4.2 mm for terminal blocks: HMM.1, HMM.1/1+2, HMM.1/2+2, HMD.1	pitch 5.2 mm for terminal blocks HMM.2 - HMM.2/1+2 - HMM.2/2+2 - HMD.2 - HMS.2 - HP.2 Series - HP.2/P	pitch 6.2 mm for HMM.4 terminal blocks	pitch 5.2 mm for terminal blocks HMD.2N/GR, HMD.2N/X/GR, HMD.2N/X1/GR

CODE / TYPE	DH401 SH4/PT	DH501 SH5/PT	DH601 SH6/PT	DH701 SH7/PT
DESCRIPTION	closing element for SDH/4	closing element for SDH/5	closing element for SDH/6	closing element for SDH/7



SDH

PSD SOCKETS - SDD PLUGS

For measurements and checks on circuits which are related to the terminal boards,
the following special items can be supplied:

- insulated sockets (PSD) screwable onto the conductor body of the terminal blocks.
- plugs (SDD) of the bundle type, made of silver-plated brass.

TERMINAL BLOCK	SOCKET		INTERNAL SOCKET Ø (MM)	PLUG		PLUG Ø (MM)
	TYPE	CODE		TYPE	CODE	
CBC.16	**PSD/B**	PD002	4.05	**SDD/2**	DD002	4
CBC.35	**PSD/B**	PD002	4.05	**SDD/2**	DD002	4
CBD.2	**PSD/D**	PD004	2.35	**SDD/1**	DD001	2.3
CBD.4	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
CBD.6	**PSD/N**	PD013	2.35	**SDD/1**	DD001	2.3
CBD.10	**PSD/B**	PD002	4.05	**SDD/2**	DD002	4
CBD.16	**PSD/B**	PD002	4.05	**SDD/2**	DD002	4
CBD.35	**PSD/B**	PD002	4.05	**SDD/2**	DD002	4
CBD.50	**PSD/C**	PD003	4.05	**SDD/2**	DD002	4
CBD.70	**PSD/C**	PD003	4.05	**SDD/2**	DD002	4
CBR.2	**PSD/K**	PD011	2.35	**SDD/1**	DD001	2.3
CVF.4	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
DAS.4	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
FDP.2	**-**	-	-	**SDD/1**	DD001	2.3
FFS.4	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
FPC.10	**-**	-	-	**SDD/2**	DD002	4
FVS.4	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
HMD.2	**-**	-	-	**SDD/1**	DD001	2.3
HMM.2	**-**	-	-	**SDD/1**	DD001	2.3
HMM.2/1+2	**-**	-	-	**SDD/1**	DD001	2.3
HMM.2/2+2	**-**	-	-	**SDD/1**	DD001	2.3
HMM.2/1+2/S	**-**	-	-	**SDD/1**	DD001	2.3
HMM.2/2+2/S	**-**	-	-	**SDD/1**	DD001	2.3
HMM.4	**-**	-	-	**SDD/1**	DD001	2.3
HMM.4/1+2	**-**	-	-	**SDD/1**	DD001	2.3
HMM.4/2+2	**-**	-	-	**SDD/1**	DD001	2.3
HMM.6	**-**	-	-	**SDD/1**	DD001	2.3
HMM.10	**-**	-	-	**SDD/1**	DD001	2.3
HMM.16	**-**	-	-	**SDD/1**	DD001	2.3
HMS.2	**-**	-	-	**SDD/1**	DD001	2.3
HTE.2	**-**	-	-	**SDD/1**	DD001	2.3
HSCB.6	**PSD/O**	PD017	2.35	**SDD/1**	DD001	2.3
HTE.2/1+2	**-**	-	-	**SDD/1**	DD001	2.3
HTE.2/2+2	**-**	-	-	**SDD/1**	DD001	2.3
HTE.4	**-**	-	-	**SDD/1**	DD001	2.3
HTE.6	**-**	-	-	**SDD/1**	DD001	2.3
HVPC.2	**-**	-	-	**SDD/1**	DD001	2.3
MAC.6	**-**	-	-	**SDD/1**	DD001	2.3
RN.1	**PSD/K**	PD011	2.35	**SDD/1**	DD001	2.3
RN.2	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
RP.4	**PSD/A**	PD001	2.35	**SDD/1**	DD001	2.3
SCB.4	**PSD/A**	PD001	2.35	**SDD/6-SDD/1**	DD006-DD001	2.3
SCB.6	**PSD/P**	PD015	4.05	**SDD/2**	DD002	4
SCB.10	**PSD/L**	PD009	4.05	**SDD/2**	DD002	4
SFC.10	**-**	-	-	**SDD/2**	DD002	4
SFR.4	**PSD/J**	PD014	2.35	**SDD/1**	DD001	2.3
TDE.2	**PSD/D**	PD004	2.35	**SDD/1**	DD001	2.3
TLD.2	**PSD/D**	PD004	2.35	**SDD/1**	DD001	2.3
TLE.2	**PSD/D**	PD004	2.35	**SDD/1**	DD001	2.3
TLS.2	**PSD/D**	PD004	2.35	**SDD/1**	DD001	2.3

COMPONENT-HOLDER CARTRIDGE

- CPF05 can be mounted on MPFA.4, DSFA.4 and HMFA.2 terminal blocks
- CPFE02 and CPFE04 can be mounted on EFS and EFDS series
- possible insertion of Ø 5 x 20 mm fuse (our type F5), with or without warning LED, diode (1 or 3 A), and other components (e.g. resistances)

(1) with fuse ø 5 x 20 mm, 250 V, Imax = 6,3 A – with brass pin Imax = 10 A
(2) the heigth depends on the mounting on relative terminal blocks and the din rail (see table)

GREEN VERSION	CODE TYPE	CPF05 CPF/5	CPFE02 CPFE/2	CPFE04 CPFE/4
TECHNICAL CHARACTERISTICS				
Function/type		component holder cartridge	component holder cartridge	component holder cartridge
Electrical characteristics According to European standard IEC EN 60947-7-1 – Max AC/DC Voltage	(V)	320 (1)	630 (1)	630 (1)
Electrical characteristics According to European standard IEC EN 60947-7-1 – Max current with rated cross-section	(A)	6,3 (1)	6,3 (1)	6,3 (1)
Electrical characteristics According to European standard IEC EN 60947-7-1 – Section	Caliber	-	-	-
Rated impulse withstand voltage/pollution degree		4 kV / 3	4 kV / 3	4 kV / 3
Width	(mm)	33	30	30
Length	(mm)	6	6	6
Height mounted on TH35/7,5	(mm)	(2)	(2)	(2)
Height mounted on TH35/15	(mm)	(2)	(2)	(2)
Height mounted on G32	(mm)	(2)	(2)	(2)
Insulation material temperature index (EN 60216-1)	(°C)	130	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0
APPROVALS				
ACCESSORIES				
Marking tag		CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Tinned brass conductor		CO/5 (cod. VL103)	-	-
Cartridge / insert with 1 A diode		SFR/I1A (cod. SF992)	SFR/I1A (cod. SF992)	SFR/I1A (cod. SF992)
Cartridge / insert with 3 A diode		SFR/I3A (cod. SF993)	SFR/I3A (cod. SF993)	SFR/I3A (cod. SF993)
LED circuit non-polarized – for voltage 12V 24V 48V AC/DC		-	CIL/12-24-48 (cod. SF518)	CIL/12-24-48 (cod. SF518)
LED circuit non-polarized – for voltage 115V 230V AC/DC		-	CIL/115-230 (cod. SF510)	CIL/115-230 (cod. SF510)
VERSIONS PROVIDED				
With non-polarized LED microcircuit 12 Vdc / Vac		CPF/5L12 (cod. CPF512)	-	-
With non-polarized LED microcircuit 24 Vdc / Vac		CPF/5L24 (cod. CPF524)	-	-
With non-polarized LED microcircuit 48 Vdc / Vac		CPF/5L48 (cod. CPF548)	-	-
With non-polarized LED microcircuit 115 Vdc / Vac		CPF/5L115 (cod. CPF511)	-	-
With non-polarized LED microcircuit 230 Vdc / Vac		CPF/5L230 (cod. CPF523)	-	-
With 1 A diode (1N4001 ÷ 1N4007 types)		CPF/5D1A (cod. CPF501)	-	-
With 3 A diode (BY255 type)		CPF/5D3A (cod. CPF503)	-	-
With resistor 1200 Ω (1 W ± 5%)		CPF/5R (cod. CPR05)	-	-

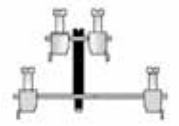
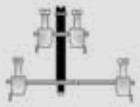
Terminal block	Height on rail TH/35 7.5 (mm)	Height on rail TH/35 15 (mm)	Height on rail G32 (mm)
HMFA.2	57	75	-
MPFA.4	75	83	79
DSFA.4	96	104	100
EFS.2	61.2	68.7	-
EFS.4	61.2	68.7	-
EFDS.2/GR	74	81.5	-
EFDS.2/1S/GR	74	81.5	-

MAX. DISSIPATED POWER - IN CONF. WITH IEC 60947-7-3

Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PVK) - [W]	Composite configuration (PVK) - [W]
MPFA.4 + CPF/5	250	6.3	1.6	1.6	4	1.6
DSFA.4 + CPF/5	250	6.3	1.6	1.6	4	1.6
HMFA.2 + CPF/5	250	6.3	1.6	1.6	4	1.6

SPECIFIC ACCESSORIES FOR TERMINAL BLOCKS

TYPE	CODE		
SCB/6/ PO/2	**SB203**	Short circuit plate for two adjacent SCB.6 terminal blocks	
SCB/6/ PO/4	**SB204**	Short circuit plate for four adjacent SCB.6 terminal blocks	
HSCB/6/ PO/2	**HB203**	Short circuit plate for two adjacent HSCB.6 terminal blocks	
HSCB/6/ PO/4	**HB204**	Short circuit plate for four adjacent HSCB.6 terminal blocks	
SCB/4/ PO/2	**SB303**	Short circuit plate for two adjacent SCB.4 terminal blocks	
SCB/4/ PO/4	**SB304**	Short circuit plate for four adjacent SCB.4 terminal blocks	
SCX/PO/2	**SC103**	Short circuit plate for two adjacent SCX.10 terminal blocks	
SCX/PO/4	**SC104**	Short circuit plate for four adjacent SCX.10 terminal blocks	
FVS/VCI	**FV107**	Screw and sleeve to perform the internal link between the front and back conducting bodies of FVS.4 terminal block	
FVS/VCE	**FV108**	Screw and sleeve to perform the internal and external link between the front and back conducting bodies of FVS.4 terminal blocks.	

TYPE	CODE		
DAS/VCI	**DS107**	Screw and sleeve for internal connection between the front conductor body and the rear one of the DAS.4	
DAS/VCE	**DS108**	Screw and sleeve for internal connection between the front and rear conductor bodies and external connection between the conductor bodies of contiguous terminal blocks, for the DAS.4	
CO/5	**VL103**	Ø 5 x 20 mm - in brass for terminal block types: SFO.4 - SFR.4 - SFR.6/M - FLD.10/F5 - HMF.4 - VLM.10	
SFC/CO	**FC102**	Ø 6,3 x 32 mm - in brass for terminal block types: FPC.10 - SFC.10 - SFR.6 - with possible derivation by means of plug SDD/2	
CBD/SH	**CB009**	For the connection of the cable shielding - to be used on terminal blocks type CBD.2, 4, 6, 10.	
SCB/6/ CPM	**SB205**	Sleeve to be used with SCB/6/ PO link	
HSCB.6/ CPM	**HB205**	Sleeve to be used with HSCB/6/ PO link	
SCB/4/ CPM	**SB305**	Sleeve to be used with SCB/4/ PO link	
SCX/CPM	**SC105**	Sleeve to be used with SCX/PO link (*)	

(*) they are supplied mounted as in A. It is necessary to remove, as in pos. B, the one to introduce into the platelet slot, put it back and screw it onto the body of the terminal block.

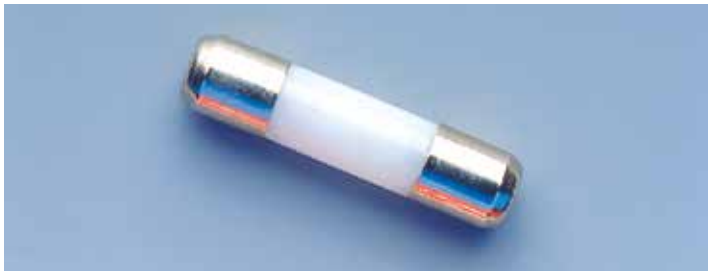
F5 FUSES

According to the IEC 60127-2-1- standard with rapid burn-out for voltage 250 V. In small steatite tube filled with spark-quenching powder (interruption power 1500 A).

RATED CURRENT	Ø 5 X 20 MM FUSE WITHOUT MARKING		APPROVALS
	TYPE	CODE	
100 mA	F5/100 MA	**FN001ST**	-
200 mA	F5/200 MA	**FN002ST**	-
315 mA	F5/315 MA	**FN003ST**	-
500 mA	F5/500 MA	**FN004ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
630 mA	F5/630 MA	**FN005ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
1A	F5/1 A	**FN006ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
1.6 A	F5/1.6 A	**FN007ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
2A	F5/2 A	**FN008ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
2.5 A	F5/2.5 A	**FN009ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
3.15 A	F5/3.15 A	**FN010ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
4A	F5/4 A	**FN011ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
5A	F5/5 A	**FN012ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
6.3 A	F5/6.3 A	**FN013ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
8A	F5/8 A	**FN014ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
10A	F5/10 A	**FN015ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
12A	F5/12 A	**FN016ST**	RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A

LSN TORPEDO PILOT BULBS F5 FUSES

CODE	TECHNICAL CHARACTERISTIC
FL201	Festoon light bulb Ø 6 x 26 mm, with stabiliser resistance incorporated, for voltage between 12 V AC and 48 V AC, for use on FLD.10/F5L, FLD.10/F6, FPL.10 terminal blocks.
FL202	Festoon light bulb Ø 6 x 26 mm, with stabiliser resistance incorporated, for voltage between 70 V AC and 380 V AC, for use on FLD.10/F5L, FLD.10/F6, FPL.10 terminal blocks.
KIT1224	For SFR.6 and SFR.6/M terminal blocks.
KIT70380	For SFR.6 and SFR.6/M terminal blocks.

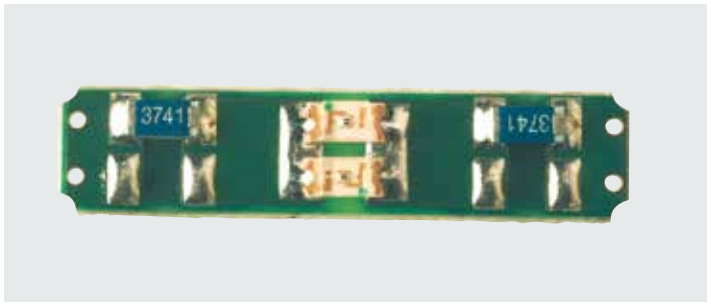


CIL SIGNAL CIRCUIT

For signalling the status of fuse-holder terminal blocks types SFR.4 - DSF.4 - FPL.10/C - HFR.4. Suitable for use in circuits powered both in D.C. and A.C.
Each packet is supplied with:
- two contact blades
- one nonpolarized LED microcircuit
- one transparent protection.

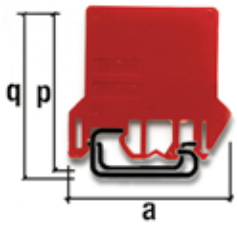
The components are inserted inside the terminal block in this sequence

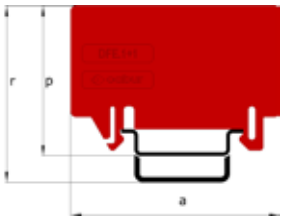
TYPE	CODE	RATED VOLTAGE [V DC - V AC]	CURRENT L R.M.S. [A] (*)
CIL/12-48	**SF518**	12-48	3.0 mA
CIL/115-230	**SF510**	115-230	2.3 mA
CIL/12-48	**HF518**	12-48	3.0 mA
CIL/115-230	**HF510**	115-230	2.3 mA



DFU-DFH-DFP PARTITIONS

Made of red polyamide, thickness 1.5 mm, to be placed to separate the elements on the terminal board to enable easy identification of certain circuits or to increase the insulation distances between the terminal blocks. The partitions can also be used to increase the insulation distances between adjacent cross connections or multiple parallel platelets.





NOTE
(1) q dimension can be obtained by adding 4 mm to dimension p
(2) r dimension can be obtained by adding 7.5 mm to dimension p

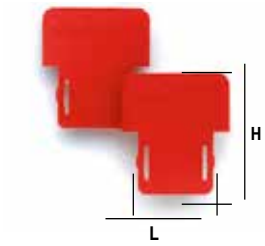
TERMINAL BLOCK	PARTITION TYPE	PARTITION CODE	DIMENSIONS A X P
SCREW-CLAMP TERMINAL BLOCKS			
AFO.2/1+1	DFU/1/R	**DU01R**	52 x 51
AFO.2/2+2	DFU/1/R	**DU01R**	52 x 51
CBC.2	DFU/4/R	**DU04R**	52 x 62
CBC.4	DFU/4/R	**DU04R**	52 x 62
CBC.6	DFU/4/R	**DU04R**	52 x 62
CBC.10	DFU/4/R	**DU04R**	52 x 62
CBC.16	DFU/4/R	**DU04R**	52 x 62
CBC.35	DFU/5/R	**DU05R**	62 x 68
CBD.2	DFU/1/R	**DU01R**	52 x 51
CBD.4	DFU/4/R	**DU04R**	52 x 62
CBD.6	DFU/4/R	**DU04R**	52 x 62
CBD.10	DFU/4/R	**DU04R**	52 x 62
CBD.16	DFU/4/R	**DU04R**	52 x 62
CBD.35	DFU/5/R	**DU05R**	62 x 68
CBD.50	DFU/5/R	**DU05R**	62 x 68
CBD.70	DFU/6/R	**DU06R**	72 x 74
CBE.2	DFU/4/R	**DU04R**	52 x 62
CBR.2	DFU/4/R	**DU04R**	52 x 62
CVF.4	DFU/3/R	**DU03R**	68 x 57
DAS.4	DFU/7/R	**DU07R**	80 x 64
DBC.2	DFU/7/R	**DU07R**	80 x 64
DSF.4	DFU/7/R	**DU07R**	80 x 64
DSFA.4	DFU/7/R	**DU07R**	80 x 64
DSS.4	DFU/7/R	**DU07R**	80 x 64
FDP.2	DFU/5/R	**DU05R**	62 x 68
FLD.10/...	DFU/6/R	**DU06R**	72 x 74
FPC.10	DFU/6/R	**DU06R**	72 x 74
FPL.10	DFU/6/R	**DU06R**	72 x 74
FVS.4	DFU/6/R	**DU06R**	72 x 74
MPFA.4	DFU/3/R	**DU03R**	68 x 57
NCS	DFU/2/R	**DU02R**	52 x 54
NCV	DFU/2/R	**DU02R**	52 x 54
PDF.2	DFU/5/R	**DU05R**	62 x 68
RFI.2	DFP/2/R	**DFP2R**	37 x 38
RN.1	DFP/2/R	**DFP2R**	37 x 38
RN.2	DFP/2/R	**DFP2R**	37 x 38
RP.4	DFP/2/R	**DFP2R**	37 x 38
SCB.4	DFU/3/R	**DU03R**	68 x 57
SCB.6	DFU/6/R	**DU06R**	72 x 74
SCB.6/DD	DFU/6/R	**DU06R**	72 x 74
SCB.10	DFU/7/R	**DU07R**	80 x 64
SCB.10/CD	DFU/7/R	**DU07R**	80 x 64
SCB.10/DD	DFU/7/R	**DU07R**	80 x 64
SCB.6/CD	DFU/6/R	**DU06R**	72 x 74
SFR.4	DFU/3/R	**DU03R**	68 x 57
SFR.6	DFU/7/R	**DU07R**	80 x 64
TC/PO	DFU/1/R	**DU01R**	52 x 51
TDE.2	DFU/3/R	**DU03R**	68 x 57
TLD.2	DFU/3/R	**DU03R**	68 x 57
TLE.2	DFU/3/R	**DU03R**	68 x 57
TLS.2	DFU/3/R	**DU03R**	68 x 57
VPC.2	DFU/5/R	**DU05R**	62 x 68
VPD.2	DFU/7/R	**DU07R**	80 x 64

TERMINAL BLOCK	PARTITION TYPE	PARTITION CODE	DIMENSIONS A X P
SPRING-CLAMP TERMINAL BLOCKS			
HCD.1	DFU/7/R	**DU07R**	80 x 64
HMD.2	DFH/4/R	**DH04R**	97 x 51.5
HFR.4	DFH/4/R	**DH04R**	97 x 51.5
HMFA.2	DFH/2/R	**DH02R**	76 x 42.5
HMM.2	DFH/1/R	**DH01R**	64 x 42.5
HMM.2/1+2	DFH/2/R	**DH02R**	76 x 42.5
HMM.2/2+2	DFH/3/R	**DH03R**	88 x 42.5
HMM.2/2+2/S	DFH/3/R	**DH03R**	88 x 42.5
HMM.4	DFH/1/R	**DH01R**	64 x 42.5
HMM.4/1+2	DFH/4/R	**DH04R**	97 x 51.5
HMM.4/2+2	DFH/4/R	**DH04R**	97 x 51.5
HMM.6	DFH/1/R	**DH01R**	64 x 42.5
HMM.10	DFH/4/R	**DH04R**	97 x 51.5
HMM.16	DFH/4/R	**DH04R**	97 x 51.5
HVPC.2	DFH/1/R	**DH01R**	64 x 42.5
HMS.2	DFH/2/R	**DH02R**	76 x 42.5
HPP.2	DFP/2/R	**DFP2R**	37 x 38
HPP.2/P	DFP/2/R	**DFP2R**	37 x 38
HTE.2	DFH/1/R	**DH01R**	64 x 42.5
HTE.2/1+1	DFH/2/R	**DH02R**	76 x 42.5
HTE.2/2+2	DFH/3/R	**DH03R**	88 x 42.5
HTE.4	DFH/1/R	**DH01R**	64 x 42.5
HTE.6	DFH/1/R	**DH01R**	64 x 42.5
HMM.1	DFH/1/R	**DH01R**	64 x 42.5
HMM.1/1+2	DFH/3/R	**DH03R**	88 x 42.5
HMM.1/2+2	DFH/2/R	**DH02R**	76 x 42.5
HMD.1	DFU/7/R	**DU07R**	80 x 64
HMD.2N	DFU/7/R	**DU07R**	80 x 64
HMM.2/1+2/S	DFH/2/R	**DH02R**	76 x 42.5
HSCB.4	DFH/4/R	**DH04R**	97 x 51.5
HTE.1	DFH/1/R	**DH01R**	64 x 42.5
HTE.1/1+2	DFH/2/R	**DH02R**	76 x 42.5
HTE.1/2+2	DFH/3/R	**DH03R**	88 x 42.5

TERMINAL BLOCK	PARTITION TYPE	PARTITION CODE	DIMENSIONS A X P
EFC TERMINAL BLOCKS			
EFC.2	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFC.2/1+2	DFE.1+2/R	**DFE02R**	75.8 x 42.5
EFC.2/2+2	DFE.2+2/R	**DFE03R**	92.4 x 42.5
EFCE.2	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFCE.2/1+2	DFE.1+2/R	**DFE02R**	75.8 x 42.5
EFCE.2/2+2	DFE.2+2/R	**DFE03R**	92.4 x 42.5
EFC.4	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFC.4/1+2	DFE.1+2/R	**DFE02R**	75.8 x 42.5
EFC.4/2+2	DFE.2+2/R	**DFE03R**	92.4 x 42.5
EFCE.4	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFCE.4/1+2	DFE.1+2/R	**DFE02R**	75.8 x 42.5
EFCE.4/2+2	DFE.2+2/R	**DFE03R**	92.4 x 42.5
EFD.2	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFD.2/CI	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFD.2/E	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFD.4	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFD.4/CI	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFD.4/E	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFDE.2	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFDE.4	DFE.2P/R	**DFE04R**	84.7 x 59.5
EFF.4	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFF.4/C48	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFF.4/C230	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFS.2	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFS.4	DFE.1+1/R	**DFE01R**	59.2 x 42.5
EFT.2	-	**-**	-
EFTE.2	-	**-**	-
EFT.2/S	-	**-**	-
EFDS.2	-	**-**	-
EFDS.2/1S	-	**-**	-
EFDS.2/P	-	**-**	-

DFM PARTITIONS

Made of red polyamide, indispensable for **guaranteeing the insulation distance between fixed or switchable cross connections** inserted between adjacent pairs of terminal blocks and, in the same way, between **multiple parallel platelets**, inserted between adjacent groups of terminal blocks.



TERMINAL BLOCK	PARTITION		DIMENSIONS L X H	THICKNESS MM
	TYPE	CODE		
CBC.2	DFM/900	**DF900**	17 x 18	0.5
CBC.2	DFM/800	**DF800**	17 x 18	0.5
CBC.4	DFM/900	**DF900**	17 x 18	0.5
CBC.4	DFM/800	**DF800**	17 x 18	0.5
CBC.6	DFM/900	**DF900**	17 x 18	0.5
CBC.6	DFM/800	**DF800**	17 x 18	0.5
CBC.10	DFM/900	**DF900**	17 x 18	0.5
CBC.10	DFM/800	**DF800**	17 x 18	0.5
CBC.16	DFM/700	**DF700**	28 x 32	0.5
CBC.35	DFM/700	**DF700**	28 x 32	0.5
CBD.2	DFM/600	**DF600**	24 x 31	0.5
CBD.4	DFM/600	**DF600**	24 x 31	0.5
CBD.6	DFM/600	**DF600**	24 x 31	0.5
CBD.10	DFM/700	**DF700**	28 x 32	0.5
CBD.16	DFM/700	**DF700**	28 x 32	0.5
CBD.35	DFM/700	**DF700**	28 x 32	0.5
CBD.50	DFM/700	**DF700**	28 x 32	0.5
CBD.70	DFM/700	**DF700**	28 x 32	0.5
DBC.2	DFM/900	**DF900**	17 x 18	0.5
DBC.2	DFM/800	**DF800**	17 x 18	0.5
DBC.2	DFM/500	**DF500**	4.6 x 13.5	0.5
DSS.4	DFM/500	**DF500**	4.6 x 13.5	0.5
DSFA.4	DFM/500	**DF500**	4.6 x 13.5	0.5
HDE.2	DFM/500	**DF500**	4.6x13.5	0.5
HLD.2	DFM/500	**DF500**	4.6x13.5	0.5
HMM.1	DFM/500	**DF500**	4.6 x 13.5	0.5
HMM.1/1+2	DFM/500	**DF500**	4.6 x 13.5	0.5
HMM.1/2+2	DFM/500	**DF500**	4.6 x 13.5	0.5
HMD.1	DFM/500	**DF500**	4.6 x 13.5	0.5
HMD.2/N	DFM/500	**DF500**	4.6 x 13.5	0.5
MPS.4	DFM/500	**DF500**	4.6 x 13.5	0.5
MPFA.4	DFM/500	**DF500**	4.6 x 13.5	0.5
TLD.2	DFM/400	**DF400**	10 x 18	0.5
TLS.2	DFM/400	**DF400**	10 x 18	0.5
VPC.2	DFM/300	**DF300**	9.4 x 12.9	0.4
VPD.2	DFM/300	**DF300**	9.4 x 12.9	0.4

PRT COVERS / SPS SUPPORTS

For protecting from accidental contacts or tampering CDA and ACB Series terminal blocks.
Made of self-extinguishing and transparent material of thickness 2.3 mm and fixed length 200 mm (corresponding to the total width of the four terminal blocks side-by-side).

The covers are available in three sizes:

- **PRT/P** 22 x 125 mm (Cat.No. PRT01)
  for protecting ACB/BB terminal blocks
- **PRT/M 50** 50 x 125 mm (Cat.No. PRT02)
  for protecting ACB/CC terminal blocks
- **PRT/G 85** 85 x 125 mm (Cat.No. PRT03)
  to be used when the conductors come from the backboard, or in order to protect a connection point not yet connected.

The PRT covers must be inserted on SPS supports, made of self-extinguishing ABS / class UL94V-0, thickness 5 mm, interposed between contiguous terminal blocks. Protection of the four terminal blocks side-by-side is achieved by means of overlapping coupling of two PRTs.

Note:
The ID Cat. No. (i.e. PRT01) is referred to a single item.

(*) height including rail

PZM PROTECTION COVERS AND PZD SUPPORTS

PZM.4 COVER

(a = 64+2 mm / b = 32 mm)

Cat. No. **PZ330**

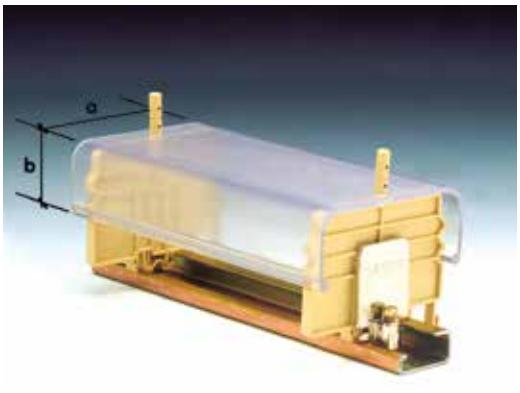
For terminal blocks **of size up to approximately 58 mm** (including rail).

To be mounted with **PZD.4/SO supports** (Cat. No. PZ331)

Maximum size PZM.4 + PZD.4/SO

- on rail IEC 60715/G32 = 70 or 82 mm (*)
- on rail IEC 60715/TH35 = 65 or 77 mm (*)

(*) depending on the notches used, upper or lower.



PZM.4 - PZM.6 channel

PZM.6 COVER

(a = 85+2 mm / b = 36 mm)

Cat. No. **PZ110**

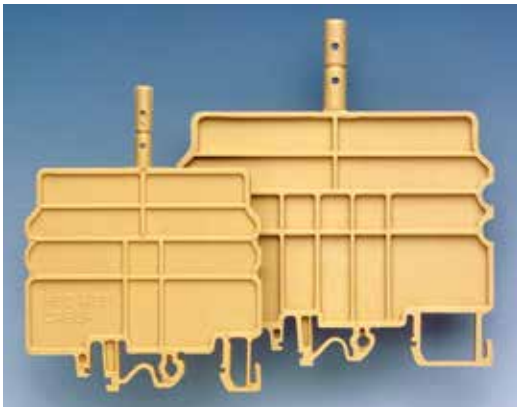
For terminal blocks **of size of more than approximately 58 mm** (including rail).

To be mounted with **PZD.6/SO support**s (Cat. No. PZ112)

Maximum size PZM.6 + PZD.6/SO

- on rail IEC 60715/G32 = 82 or 94 mm (*)
- on rail IEC 60715/TH35 = 78 or 90 mm (*)

(*) depending on the notches used, upper or lower.

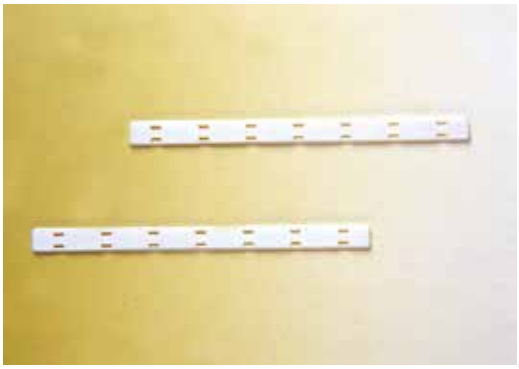


PZD.4/SO - PZD.6/SO supports

Made of **PVC** for protecting from accidental contacts or tampering terminal blocks up to a section of 70 mm^2.
They are supplied in 2 m lengths and are to be mounted on specific polyamide supports, insertable on PR/DIN and PR/3 support rails, types "G32" and TH/35.
They can be made unmovable with sealing of the support appendices.

PRP PROTECTIONS

The cross connection, made up of the PMP multiple commoning bar and CPM screws and sleeves, already located in a position further back with respect to the front of the terminal board, can be further protected against accidental contacts, by means of a U-shaped cover, made of polyamide, with a standard length of 10 cm. The above protection, which is white, can also be used to write words or make reference markings of the terminal board. Special slots are provided on the protection to make it easy to remove using a screwdriver.



PRP Protections

for terminal blocks of cross section 2.5-4 mm^2	**PRP/6**	Cat. No. **PRP06**
for terminal blocks of cross section 4-16 mm^2	**PRP/7**	Cat. No. **PRP07**
for terminal blocks of cross section 25-70 mm^2	**PRP/8**	Cat. No. **PRP08**
for TLD.2-TLS.2-CBR.2-DAS.4-TLE.2-TDE.2 terminal blocks	**PRP/5 (red, blue, white)**	Cat. No. **PRP05**

TQM-TTM-TUM-PRP/7/G WARNING PLATES

Made of self-extinguishing material, capable of guarantee the maximum safety of work on terminal boards connected to circuits that are always live. Bearing warning signals and notices, fixable to the terminal blocks by means of two nylon insulating screws, they are available in models of different sizes, according to the type of terminal block. The cover can be tripolar or quadripolar; in some cases the tripolar is made removing a pre-cut part of the quadripolar cover For CBC. 2-4-6-10 terminal blocks the PRP/7/G is supplied;
this is without screws, to be inserted in the channels of the cross connections.

TERMINAL BLOCK	WARNING PLATE FOR 3 TERMINAL BLOCKS		L X H MM	WARNING PLATE FOR 4 TERMINAL BLOCKS		L X H MM	SCREW M X L (MM)
	TYPE	CODE		TYPE	CODE		
CBC.2	PRP/7/G	**PRP070G**	l = 100	PRP/7/G	**PRP070G**	100	-
CBC.4	PRP/7/G	**PRP070G**	l = 100	PRP/7/G	**PRP070G**	100	-
CBC.6	PRP/7/G	**PRP070G**	l = 100	PRP/7/G	**PRP070G**	100	-
CBC.10	PRP/7/G	**PRP070G**	l = 100	PRP/7/G	**PRP070G**	100	-
CBC.16	TUM/16	**TUM16**	48 x 34	TUM/16	**TUM16**	48 x 34	4 x 30
CBC.35	TUM/06	**TUM06**	63 x 34	TUM/06	**TUM06**	63 x 34	4 x 30
CBD.2	-	**-**	-	TQM/02	**TQM02**	25 x 26	2.5 x 20
CBD.4	TTM/12	**TTM12**	25 x 26	TTM/12	**TTM12**	25 x 26	3 x 25
CBD.6	TTM/15	**TTM15**	25 x 26	TQM/15	**TQM15**	32 x 26	3.5 x 25
CBD.10	TTM/04	**TTM04**	32 x 26	TQM/04	**TQM04**	40 x 26	4 x 25
CBD.16	TUM/05	**TUM05**	48 x 34	TUM/05	**TUM05**	48 x 34	4 x 25
CBD.35	TUM/06	**TUM06**	63 x 34	TUM/06	**TUM06**	63 x 34	4 x 30
CBD.50	TUM/07	**TUM07**	72 x 42	TUM/07	**TUM07**	72 x 42	5 x 30
CBD.70	TUM/08	**TUM08**	82 x 42	TUM/08	**TUM08**	82 x 42	5 x 40

(*) to be cut to size

TAI

Possible danger status may be marked using **special triangular self-adhesive labels**

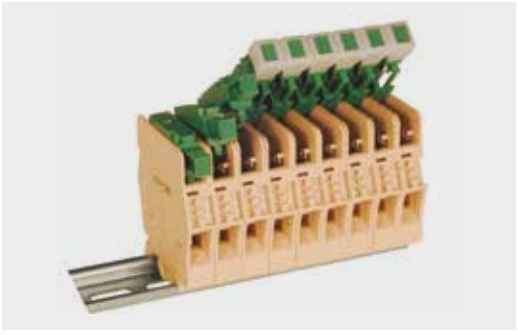
TAI/6 (Cat. No. TA001)
TAI/12 (Cat. No. TA002)

to be applied on the protection covers and channels.

MSM HANDLE

For simultaneous switching of several FPL.10 and SFL.10 terminal blocks side-by-side.
Supplied in strips of 6 elements.

MSM (Cat. No. FC103)



TAG HOLDER

- Possibility of marking 2- and 3-level terminal blocks
- High visibility of the marking
- Available in the 2- and 3-tag version
- Reduced vertical size thanks to high flexibility
- Compatible with all the 2- and 3-level terminal blocks
- Available in grey

VERSION		CODE TYPE	TH02 TH/2	TH03 TH/3
TECHNICAL CHARACTERISTICS				
function/type			tag holder	tag holder
vertical size		(mm)	19	21
width		(mm)	18	29
thickness		(mm)	4.7	4.7
Usable identification cards	Cabur Jet		C/NU/8/51 (cod. NU0851)	C/NU/8/51 (cod. NU0851)
			C/NU/8/61 (cod. NU0861)	C/NU/8/61 (cod. NU0861)
			C/NU/10/51 (cod. NU1051)	C/NU/10/51 (cod. NU1051)
			C/NU/10/61 (cod. NU1061)	C/NU/10/61 (cod. NU1061)
			C/NU/10/51 (cod. NU1055)	C/NU/10/51 (cod. NU1055)
			C/NU/10/65 (cod. NU1065)	C/NU/10/65 (cod. NU1065)
	Smart Print		C/NU/8/51 (cod. NU0851S)	C/NU/8/51 (cod. NU0851S)
			C/NU/10/51 (cod. NU1051S)	C/NU/10/51 (cod. NU1051S)
			C/NU/10/61 (cod. NU1061S)	C/NU/10/61 (cod. NU1061S)
Quantity per pack		(pieces)	50	50

SCREWDRIVERS

Screwdrivers to activate springs - terminal blocks Series: H
The ergonomic handle guarantees comfort for the entire duration of the work. In addition, each handle has a transparent anti-slip rubber insert, which ensures a good hold over the tool.

CODE	DESCRIPTION	LENGTH
CCH02	0.5 x 3 x 80 mm	160 mm
CCH06	1 x 5.5 x 125 mm	220 mm

CCH/2,5-4 CCH/6

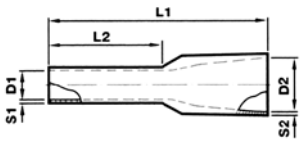
Insulated screwdrivers for voltage up to 1,000 V
The ergonomic handle guarantees comfort for the entire duration of the work. In addition, each handle has a transparent anti-slip rubber insert, which ensures a good hold over the tool.

CODE	DESCRIPTION	LENGTH
CCV03	0.4 x 2.5 x 75 mm	160 mm
CCV04	0.8 x 4 x 100 mm	195 mm
CCV05	1 x 5.5 x 125 mm	220 mm

CCV/2,5 CCV/4 CCV/5

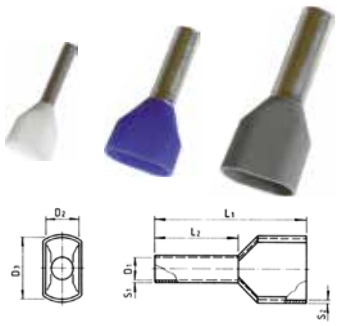
Terminals with sleeves and insulated collars
Series: WP

To connect wires, a complete line of terminals with sleeves, single slot.
Tin-plated electrolytic copper sleeve, insulated with polypropylene.



CODE	DESCRIPTION	COLOUR	SECTION	D1	D2	D3	L1	L2	S1	S2	PCS PKG
			mm^2	mm	mm	mm	mm	mm	mm	mm	
WP30002	terminal blocks 0.5-14 x 8	White	0,5	1	2,6	-	14	8	0,15	0,25	500
WP30003	terminal blocks 0.5-16 x 10	White	0,5	1	2,6	-	16	10	0,15	0,25	500
WP30005	terminal blocks 0.75-14 x 8	Grey	0,75	1,2	2,8	-	14	8	0,15	0,25	500
WP30006	terminal blocks 0.75-16 x 10	Grey	0,75	1,2	2,8	-	16	10	0,15	0,25	500
WP30009	terminal blocks 1-14 x 8	Red	1	1,4	3	-	14	8	0,15	0,25	500
WP30010	terminal blocks 1-18 x 12	Red	1	1,4	3	-	18	12	0,15	0,25	500
WP30013	terminal blocks 1.5-14 x 8	Black	1,5	1,7	3,5	-	14	8	0,15	0,25	500
WP30014	terminal blocks 15-18 x 12	Black	1,5	1,7	3,5	-	18	12	0,15	0,25	500
WP30016	terminal blocks 2.5-14 x 8	Blue	2,5	2,2	4,2	-	15	8	0,15	0,25	500
WP30017	terminal blocks 25-19 x 12	Blue	2,5	2,2	4,2	-	19	12	0,15	0,25	500
WP30019	terminal blocks 4.0-16 x 8	Grey	4	2,8	4,8	-	16	8	0,2	0,3	500
WP30020	terminal blocks 40-20 x 12	Grey	4	2,8	4,8	-	20	12	0,2	0,3	500
WP30022	terminal blocks 6.0-20 x 12	Yellow	6	3,5	6,3	-	20	12	0,2	0,3	100
WP30023	terminal blocks 60-26 x 18	Yellow	6	3,5	6,3	-	26	18	0,2	0,3	100
WP30024	terminal blocks 10-22 x 12	Red	10	4,5	7,6	-	22	12	0,2	0,4	100
WP30025	terminal blocks 100-28 x 18	Red	10	4,5	7,6	-	28	18	0,2	0,4	100
WP30026	terminal blocks 16-22 x 12	Blue	16	5,8	8,8	-	22	12	0,2	0,4	100
WP30027	terminal blocks 160-28 x 18	Blue	16	5,8	8,8	-	28	18	0,2	0,4	100
WP30028	terminal blocks 25-30 x 16	Yellow	25	7,3	11,2	-	30	16	0,2	0,4	50
WP30029	terminal blocks 250-36 x 22	Yellow	25	7,3	11,2	-	36	22	0,2	0,4	50
WP30030	terminal blocks 35-30 x 16	Red	35	8,3	12,7	-	30	16	0,2	0,4	50
WP30031	terminal blocks 350-39 x 25	Red	35	8,3	12,7	-	39	25	0,2	0,4	50
WP30032	terminal blocks 50-36 x 20	Blue	50	10,3	15	-	36	20	0,3	0,5	50
WP30033	terminal blocks 500-41 x 25	Blue	50	10,3	15	-	41	25	0,3	0,5	50

Terminals with sleeves and insulated collars
Series: WP



The double slot series is made of tin-plated electrolytic copper with the insulated part in polypropylene, resistant up to 105°C.
These terminals were designed for use in connections where a quick and safe connection is required. In fact, the current trend towards miniaturisation of electrical equipment makes these terminals particularly useful and economical.
The special large housing slot is easily able to hold the bulk created by two wires.

CODE	DESCRIPTION	COLOUR	SECTION	D1	D2	D3	L1	L2	S1	S2	PCS PKG
			mm^2	mm	mm	mm	mm	mm	mm	mm	
WP90001	-	white	2,0 x 0,5	1,1,5	2,5	4,7	15,7	8,7	0,15	0,3	500
WP90002	-	grey	2,0 x 0,75	1,8	2,8	5,0	15,5	8,9	0,15	0,3	500
WP90003	-	red	2,0 x 1,0	2,3	3,2	5,5	15,8	8,0	0,15	0,3	500
WP90004	-	black	2,0 x 1,5	2,3	3,5	6,5	16,0	8,0	0,15	0,3	500
WP90005	-	blue	2,0 x 2,5	2,9	4,3	7,5	18,3	10,0	0,20	0,4	500
WP90006	-	grey	2,0 x 4,0	3,8	4,9	8,8	23,3	12,5	0,20	0,4	100
WP90007	-	yellow	2,0 x 6,0	-	-	-	-	12	-	-	100
WP90008	-	red	2,0 x 10	-	-	-	-	14	-	-	100

Terminals with uninsulated sleeves

Made of tin-plated electrolytic copper.

CODE	DESCRIPTION	SECTION	LENGTH	PCS PKG
WPN10508	uninsulated terminal block 0.5-8	0,5	8	1000
WPN10758	uninsulated terminal block 0.75-8	0,75	8	1000
WPN11010	uninsulated terminal block 1-10	1	10	1000
WPN11510	uninsulated terminal block 1.5-10	1,5	10	1000
WPN12510	uninsulated terminal block 2.5-10	2,5	10	1,000*
WPN14012	uninsulated terminal block 4.0-12	4	12	1000**
WPN16012	uninsulated terminal block 6.0-12	6	12	500
WPN11015	uninsulated terminal block 10-15	10	15	500
WPN11615	uninsulated terminal block 16-15	16	15	500
WPN12515	uninsulated terminal block 25-15	25	15	100
Note1:	* appropriate for use with Cabur CBC.2 terminal blocks	-	-	-
Note2:	** appropriate for use with Cabur CBC.4 terminal blocks	-	-	-

WIRE TERMINALS, PRE-INSULATED WITH PVC

Tin-plated copper eyelets, with PVC insulation
Tin-plated copper forks, with PVC insulation

Eyelets

CODE	TYPE	COLOUR	SECTION	PITCH	PCS PKG
			mm^2		
WP04020	eyelet	red	1,5	M3.5	100
WP04021	eyelet	red	1,5	M4	100
WP04022	eyelet	red	1,5	M5	100
WP04023	eyelet	red	1,5	M6	100
WP04024	eyelet	red	1,5	M8	100
WP04025	eyelet	red	1,5	M10	100
WP04026	eyelet	blue	2,5	M3	100
WP04027	eyelet	blue	2,5	M3.5M	100
WP04028	eyelet	blue	2,5	M4	100
WP04029	eyelet	blue	2,5	M5	100
WP04030	eyelet	blue	2,5	M6	100
WP04031	eyelet	blue	2,5	M8	100
WP04032	eyelet	blue	2,5	M10	100
WP04033	eyelet	yellow	4,0	M4	100
WP04034	eyelet	yellow	4,0	M5	100
WP04035	eyelet	yellow	4,0	M6	100
WP04036	eyelet	yellow	4,0	M8	100
WP04037	eyelet	yellow	4,0	M10	100
WP04038	eyelet	yellow	4,0	M12	100
WP04039	eyelet	yellow	6,0	M4	100
WP04040	eyelet	yellow	6,0	M5	100
WP04041	eyelet	yellow	6,0	M6	100
WP04042	eyelet	yellow	6,0	M8	100
WP04043	eyelet	yellow	6,0	M10	100
WP04044	eyelet	yellow	6,0	M12	100

WIRE TERMINALS, PRE-INSULATED WITH PVC

Tin-plated copper eyelets, with PVC insulation
Tin-plated copper forks, with PVC insulation

Forks

CODE	TYPE	COLOUR	SECTION	PITCH	PCS PKG
			mm^2		
WPF5016	fork	red	1,5	M3	100
WPF5017	fork	red	1,5	M3.5	500
WPF5018	fork	red	1,5	M4	100
WPF5019	fork	red	1,5	M5	100
WPF5020	fork	red	1,5	M6	500
WPF5021	fork	blue	2,5	M3	100
WPF5022	fork	blue	2,5	M3.5	500
WPF5023	fork	blue	2,5	M4	100
WPF5024	fork	blue	2,5	M5	100
WPF5025	fork	blue	2,5	M6	500
WPF5026	fork	yellow	4,0	M4	500
WPF5027	fork	yellow	4,0	M5	500
WPF5028	fork	yellow	4,0	M6	500
WPF5029	fork	yellow	4,0	M8	500
WPF5030	fork	yellow	6,0	M4	100
WPF5031	fork	yellow	6,0	M4	100
WPF5032	fork	yellow	6,0	M6	100
WPF5033	fork	yellow	6,0	M8	100

Industrial Marking System (extract from full catalogue)

Code: SMARTPRINTPLUS
Marking: SMARTPRINTPLUS

The new printer SmartPrint Plus with thermal transfer technology is Cabur's answer to the many different needs in the world of industrial marking. Ideal for identifying terminal blocks, cables and electrical components. It is characterized by an attractive and functional design that makes immediate, simple and intuitive use and it is lighter and more manageable thanks to a new ultra-resistant ABS thermoplastic polymer shell.
Reliable, versatile, precise and fast SmartPint Plus allows to create high resolution prints for excellent quality and long-lasting markings.
With SmartPrint Plus you can print up to 100 tags in 6 seconds, identify terminal blocks made by Cabur and other manufacturers, single cables or bundles, buttons, electrical components and carry out the complete marking of the outside panel. Ribbons are the longest on the market, with a highly competitive price.
The installation of the MarKing Pro XT software and the SmartPrint Plus printer on WINDOWS systems starting from WIN7 up to WIN10 is quick and easy and in seconds the printer will be ready for use.
The Multi-Page printing function allows to manage the printer directly by the buttons onboard the machine and allows easier and more practical use without having a PC nearby; the new multi-plate function allows to launch all the prints from pc at once and manage them directly from the printer, making the printing process faster and easier.
Equipped with a display and two control keys, SmartPrint enables the printing of alphanumeric texts, logos and graphic symbols on numerous marking media:

- sleeve tags to identify wires
- adhesive cable marking labels
- tags for terminal blocks
- tags for push-buttons
- tags for contactors/PLCs;
- modular strips for electrical distribution panels
- panel identification tags.

PLUG & PRINT

TECHNICAL DATA	
Code	SMARTPRINTPLUS
Dimensions (DxLxH)	250 x 250 x 380 mm
Weight	9,5 kg
Display	LCD
Interface	USB 2.0
Resolution	300x600 dpi
Print Speed	19 mm/seconds
Windows support	Microsoft® Windows™ 7 o later
Power supply voltage	100-240Vac 50-60Hz
Current	1,5 A
Working temperature	+5°C +40°C
Print area	105 mm x 140 mm
Ribbon	high strength resin
Ribbon colours	Black, Blue, Red, Green, White

THE PACKAGE INCLUDES
1 SmartPrint Plus printer
1 USB cable
1 Power cable
1 Power supply
1 Ribbon code RSP300BK
1 MarKing Pro XT Software, complete with user manual in electronic format
1 Plate Kit made up of • • 1 PLT06 support plate for cable tags code NUT12S/NUT18S; • 1 PLT01 support plate for FLAT series tags code NUT FL-TAP-TAV-TAM - TMM - SIM

SMARTROLL SYSTEM

Code: SMARTROLL - Marking: SMARTROLL

The SmartRoll thermal transfer printer is simple to use and guarantees rapid production of perfectly defined labels.
Resistant, reliable and without the need for particular maintenance, SmartRoll is designed for high print volumes and is suited to any working environment.
Precise in all details, it guarantees the lowest noise levels during use.
Fitted with a display for controls and an acoustic signal, it is the ideal solution for continual and fast printing on:

- sleeve tags to identify wires
- adhesive cable-marking labels
- tags for contactors;
- **MarKing Pro XT** management software

SmartRoll is also equipped with a LAN / WLAN network port to be shared online and used with different computer

TECHNICAL DATA	
Technology for	thermal transfer
Interface	USB 2.0
Resolution	300 dpi
Print Speed	Up to 152 mm/sec
Windows support	Microsoft® Windows™ 7 or later
Dimensions (DxLxH)	505 x 270 x 308 mm
Weight	approx. 15 Kg.
Power supply voltage	100 - 240 VAC
Working temperature	5-40°C
Ribbon	monochromatic resin based
Ribbon colours	Black, Red

THE PACKAGE INCLUDES:
1 SmartRoll printer
1 USB cable
1 Power cable
1 MarKing Pro XT Software, complete with user manual in electronic format
1 Ribbon code RSR300BK

Code: CABURJET - ID code: CABURJET

The CaburJet inkjet printer has a smaller size to reduce bulk and offers an innovative design, aimed at making it fast and easy to use, with no maintenance problems.
It's the ideal solution for continuous, automatic, and fast printing of:

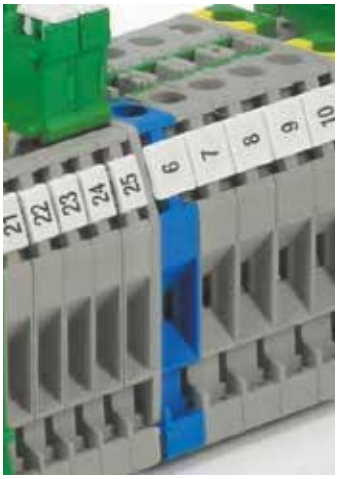
- sleeve tags to identify wires
- tags for terminal blocks;
- tags for push-buttons;
- tags for contactors;
- modular strips for electrical distribution panels
- panel identification tags.
- **MarKing Pro** management software

This is a highly innovative solution, created to meet multiple needs **in the industrial field**, at a competitive price.
The printer has an automatic integrated feeder (SEPARATOR), which accepts all of the above mentioned products - even mixed. It is also possible to print on individual stems by simply placing them at the bottom of the feeder like a normal sheet of paper.
The feeder can hold 50 cards for a total of 3,000 NUT12 series tags (tags for 12 mm long sleeves).
After just an hour of printing, 24,000 tags are ready for use. The material used (self-extinguishing polycarbonate) for production of the cards, together with the ink, means that the card can be used almost immediately after printing, and is indelible in accordance with CEI 16-7.

TECHNICAL DATA	
Print technology	monochromatic inkjet printing
Interface	USB 2.0
Resolution	360 Dpi
Ink	refillable bottles
Print Speed	24,000 tags per hour
Windows support	for PC systems with Windows 98 SP2 and later
Dimensions (LxWxH)	330 x 370 x 220 mm
Weight	approx. 12 Kg.
Electricity consumption	during printing, 24W max. with compressor on, 35W
Power supply voltage	115-230V

THE PACKAGE INCLUDES:
1 CaburJet printer
1 USB cable
1 Power cable
2 80 ml bottle of ink
1 250 ml bottle of cleaner
1 copy of MarKing Pro software; including a licence for 5 installations, and a digital user manual

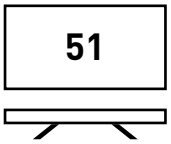
CNU/8/51 for HORIZONTAL and VERTICAL printing



- Marking tags suitable for marking all types of terminal blocks (screw-tightening and spring-clamp) in tables of 100 elements in packs of 500 tags
- In white polycarbonate with black printing, to be applied directly into position either before or after preparing the rail assembly.
- **Tag dimensions: 8 x 5.1 mm. Pitch on CBC.2 and HMM.2/GR.**
- **Mounting of single tag on all Cabur terminal blocks.**

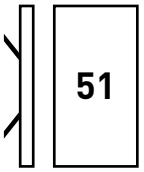
CODE FOR TAGS WITH VERTICAL NUMBERS	CODE FOR TAGS WITH HORIZONTAL NUMBERS	DESCRIPTION	CHARACHTER	QUANTITY PK.
NU0851S	NU0851S	TAGS BLANK	-	1500
NU0851001V	NU0851001	TAG.NO. 1 to 50	1 - 50	500
NU0851010V	NU0851010	TAG.NO. 10	10	500
NU0851011V	NU0851011	TAG. NO. 11	11	500
NU0851012V	NU0851012	TAG. NO. 12	12	500
NU0851013V	NU0851013	TAG. NO. 13	13	500
NU0851014V	NU0851014	TAG. NO. 14	14	500
NU0851015V	NU0851015	TAG. NO. 15	15	500
NU0851016V	NU0851016	TAG. NO. 16	16	500
NU0851017V	NU0851017	TAG. NO. 17	17	500
NU0851018V	NU0851018	TAG. NO. 18	18	500
NU0851019V	NU0851019	TAG. NO. 19	19	500
NU0851020V	NU0851020	TAG. NO. 20	20	500
NU085102AV	NU085102A	TAGS. MARKED 2A	2A	500
NU0851051V	NU0851051	TAGS from 51 to 100	51 - 100	500
NU08510L1V	NU08510L1	TAGS. MARKED L1	L1	500
NU08510L2V	NU08510L2	TAGS. MARKED L2	L2	500
NU08510L3V	NU08510L3	TAGS. MARKED L3	L3	500
NU08510NIV	NU08510NI	TAGS. MARKED NI	NI	500
NU08510PEV	NU08510PE	TAGS. MARKED PE	PE	500
NU08510R1V	NU08510R1	TAGS. MARKED R1	R1	500
NU08510S1V	NU08510S1	TAGS. MARKED S1	S1	500
NU08510S2V	NU08510S2	TAGS. MARKED S2	S2	500
NU08510S3V	NU08510S3	TAGS. MARKED S3	S3	500
NU08510U1V	NU08510U1	TAGS. MARKED U1	U1	500
NU08510U2V	NU08510U2	TAGS. MARKED U2	U2	500
NU08510V	NU08510	TAGS NO. 0	0	500
NU08510V1V	NU08510V1	TAGS. MARKED V1	V1	500
NU08510V2V	NU08510V2	TAGS. MARKED V2	V2	500
NU08510W1V	NU08510W1	TAGS. MARKED W1	W1	500
NU08510W2V	NU08510W2	TAGS. MARKED W2	W2	500
NU0851101V	NU0851101	TAGS. from 101 to 150	101 - 105	500
NU085110V	NU085110	TAGS. MARKED =	=	500
NU085111V	NU085111	TAGS. MARKED +	+	500
NU085112V	NU085112	TAGS. MARKED -	-	500
NU085114V	NU085114	TAGS EARTH	⏚	500
NU0851151V	NU0851151	TAGS from 151 to 200	151 - 200	500
NU085115V	NU085115	TAG EARTH CIRCLE	⏚	500
NU08511V	NU08511	TAGS. NO. 1	1	500
NU0851201V	NU0851201	TAGS from 201 to 250	201 - 250	500
NU0851251V	NU0851251	TAGS from 251 to 300	251 - 300	500
NU08512V	NU08512	TAGS. NO. 2	2	500
NU0851301V	NU0851301	TAGS from 301 to 350	301 - 350	500
NU0851351V	NU0851351	TAGS from 351 to 400	351 - 400	500
NU08513V	NU08513	TAGS. NO. 3	3	500
NU0851401V	NU0851401	TAGS from 401 to 450	401 - 450	500
NU0851451V	NU0851451	TAGS from 451 to 500	451 - 500	500
NU08514V	NU08514	TAGS. NO 4	4	500
NU0851501V	NU0851501	TAGS from 501 to 550	501 - 550	500

Writing type

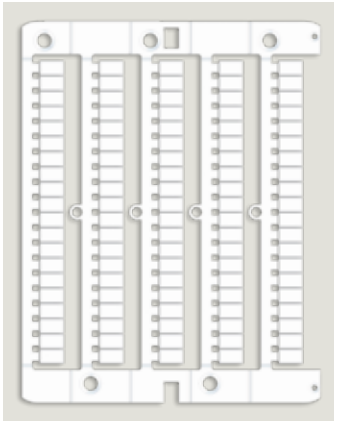


HORIZONTAL

Writing type



VERTICAL



Card CNU/8/51
Code NU0851

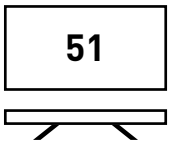
PRE-PRINTED TAGS FOR CABUR TERMINAL BLOCKS

CNU/8/51 for HORIZONTAL and VERTICAL printing

- Marking tags suitable for marking all types of terminal blocks (screw-tightening and spring-clamp) in tables of 100 elements in packs of 500 tags
- In white polycarbonate with black printing, to be applied directly into position either before or after preparing the rail assembly.
- **Tag dimensions: 8 x 5.1 mm. Pitch on CBC.2 and HMM.2/GR.**
- **Mounting of single tag on all Cabur terminal blocks.**

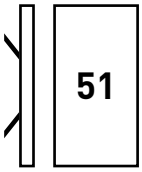
CODE FOR TAGS WITH VERTICAL NUMBERS	CODE FOR TAGS WITH HORIZONTAL NUMBERS	DESCRIPTION	CHARACHTER	QUANTITY PK.
NU0851510V	NU0851510	TAGS from 1 to 10	1 - 10	500
NU0851520V	NU0851520	TAGS from 11 to 20	11 - 20	500
NU0851530V	NU0851530	TAGS from 21 to 30	21 - 30	500
NU0851540V	NU0851540	TAGS from 31 to 40	31 - 40	500
NU0851550V	NU0851550	TAGS from 41 to 50	41 - 50	500
NU0851551V	NU0851551	TAGS from 551 to 600	551 - 600	500
NU0851560V	NU0851560	TAGS from 51 to 60	51 - 60	500
NU0851570V	NU0851570	TAGS from 61 to 70	61 - 70	500
NU0851580V	NU0851580	TAGS from 71 to 80	71 - 80	500
NU0851590V	NU0851590	TAGS from 81 to 90	81 - 90	500
NU08515V	NU08515	TAGS. NO 5	5	500
NU0851600V	NU0851600	TAGS from 91 to 100	91 - 100	500
NU0851601V	NU0851601	TAGS from 601 to 650	601 - 650	500
NU0851651V	NU0851651	TAGS from 651 to 700	651 - 700	500
NU08516V	NU08516	TAGS. NO. 6	6	500
NU0851701V	NU0851701	TAGS from 701 to 750	701 - 750	500
NU0851751V	NU0851751	TAGS from 751 to 800	751 - 800	500
NU08517V	NU08517	TAGS. NO. 7	7	500
NU0851801V	NU0851801	TAGS from 801 to 850	801 - 850	500
NU0851851V	NU0851851	TAGS from 851 to 900	851 - 900	500
NU08518V	NU08518	TAGS. NO. 8	8	500
NU0851901V	NU0851901	TAGS from 901 to 950	901 - 950	500
NU0851951V	NU0851951	TAGS from 951 to 1,000	951 - 000	500
NU08519V	NU08519	TAGS. NO. 9	9	500
NU0851AV	NU0851A	TAGS A	A	500
NU0851BV	NU0851B	TAGS B	B	500
NU0851CV	NU0851C	TAGS C	C	500
NU0851DV	NU0851D	TAGS D	D	500
NU0851EV	NU0851E	TAGS E	E	500
NU0851FV	NU0851F	TAGS F	F	500
NU0851GV	NU0851G	TAGS G	G	500
NU0851HV	NU0851H	TAGS H	H	500
NU0851IV	NU0851I	TAGS I	I	500
NU0851JV	NU0851JV	TAGS J	J	500
NU0851KV	NU0851KV	TAGS K	K	500
NU0851LV	NU0851L	TAGS L	L	500
NU0851MV	NU0851M	TAGS M	M	500
NU0851NV	NU0851N	TAGS N	N	500
NU0851OV	NU0851O	TAGS O	O	500
NU0851PV	NU0851P	TAGS P	P	500
NU0851QV	NU0851Q	TAGS Q	Q	500
NU0851RV	NU0851R	TAGS R	R	500
NU0851SV	NU0851SI	TAGS S	S	500
NU0851TV	NU0851T	TAGS T	T	500
NU0851UV	NU0851UV	TAGS U	U	500
NU0851VV	NU0851V	TAGS V	V	500
NU0851WV	NU0851W	TAGS W	W	500
NU0851XV	NU0851X	TAGS X	X	500
NU0851YV	NU0851Y	TAGS Y	Y	500
NU0851ZV	NU0851Z	TAGS Z	Z	500

Writing type



HORIZONTAL

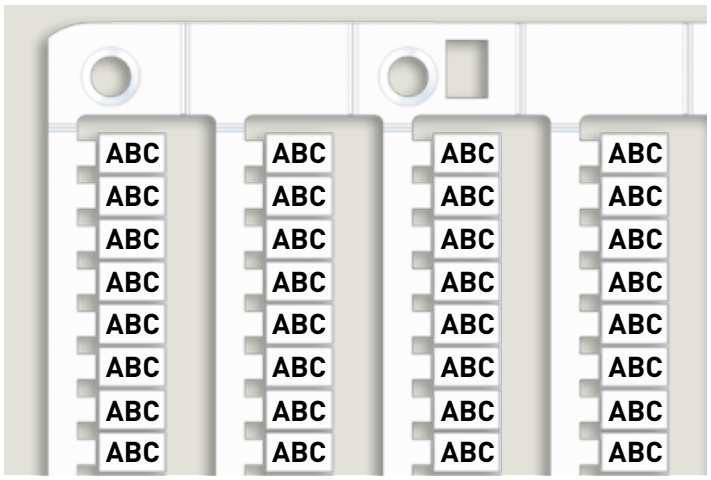
Writing type



VERTICAL

Mounting on Cabur terminal blocks.

Special numbering for terminal block marking



Cabur can supply, on request, special marking tags with numbers, letters, symbols and customised logos in packs of 500 tags, printed using the CaburJet System.

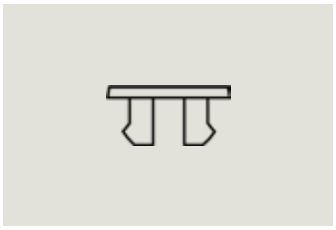
Request special marking by specifying the following on the order:

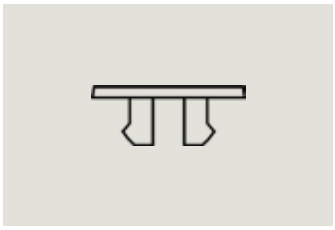
A - Item code, selected from those found in the table (e.g. NU0851SP)
B - Number of tags ordered (min. 500 pcs. / 1 pk.)
C - Writing type (horizontal or vertical)
D - Content (text, numbers, symbols) to be printed on the tags (e.g. A1B)

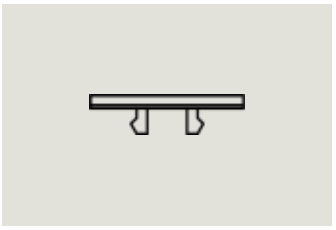
To optimise the service, as an alternative or in addition to that required at points c) and d), we recommend sending Cabur a MarKing Pro file created with the specific requirements of the order.

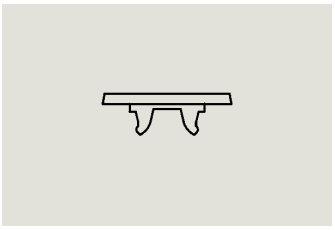
For example, by ordering:
Code: NU0851SP
Quantity: 1000
Writing type: horizontal
Content: ABC

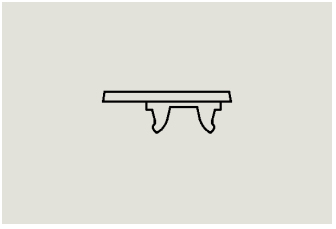
You will receive 2 packs of 500 tags each of CNU/8/51, personalised as requested.


NU0800SP-NU0851SP-NU0861SP

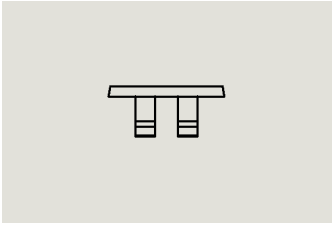

NU1051SP-NU1061SP-NU1055SP-NU1065SP

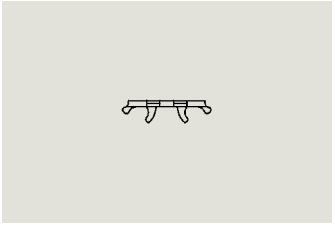

SH004SP


NUWDU50SP


NUWDK50SP


NUPUTUK50S


NUL1061SP


NUWG051SP

SPECIAL NUMBERING

CODE	ID CODE	DESCRIPTION
NU0800SP	NU0800SP	CNU/8/00 – special marking
NU0851SP	NU0851SP	CNU/8/51 – special marking
NU0861SP	NU0861SP	CNU/8/61 – special marking
NU1051SP	NU1051SP	CNU/10/51 – special marking
NU1061SP	NU1061SP	CNU/10/61 – special marking
SH004SP	SH004SP	SHZ.1 – special marking
SH004S	SH2.1	Blank tag spring-clamp terminal blocks sect 1.5 mm
SN008	SNZ/4/00	Blank strips
SN004SP	SNZ/4/SP	SN004SP - special numbering
NUWDU50SP	NUWDU50SP	NUWDU50 - special numbering
NUWDK50SP	NUWDK50SP	NUWDK50 - special numbering
NUPUTUK50SP	NUPUTUK50SP	NUPUTUK50 - special numbering
NUL1061SP	NUL1061	NUL1061 - special numbering
NU1055SP	NU1055SP	CNU/10/55 - special numbering
NU1065SP	NU1065SP	CNU/10/65 - special numbering
NUWG051SP	NUWG051SP	NUWG051SP - special numbering

N.B. please contact our sales office for information about availability

Special numbering for wire marking

Cabur can supply, on request, special marking tags for wires, with numbers, letters, symbols and customised logos in packs of 500 tags, printed using the CaburJet System.

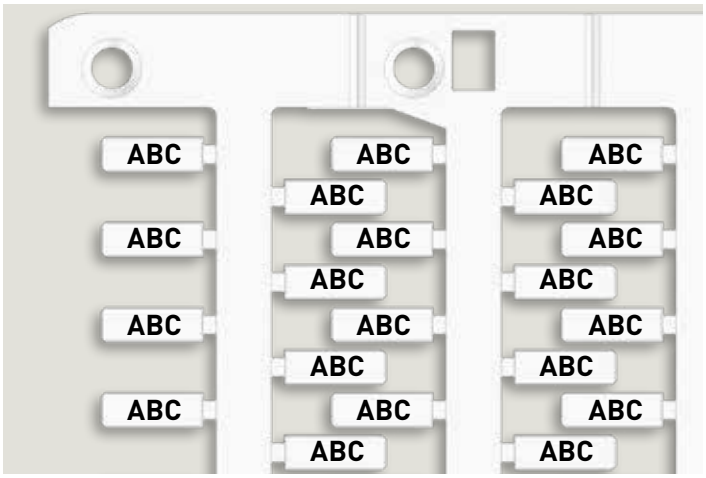
Request special numberings for wire marking, by specifying the following on the order:

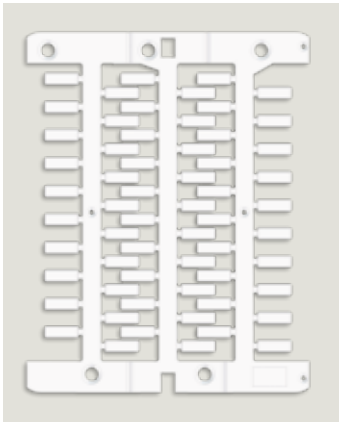
A - Item code, selected from those found in the table (e.g. NUT15SP)
B - Number of tags ordered (min. 500 pcs. / 1 pk.)
C - Content (text, numbers, symbols) to be printed on the tags (e.g. A1B)

To optimise the service, as an alternative to or in addition to that required at point c), we recommend sending Cabur a MarKing Pro file created with the specific requirements of the order.

For example, by ordering:
Code: NUT15SP
Quantity: 1500
Content: ABC

An order will be placed for 3 packs of 500 tabs each of NUT15, customised as requested.





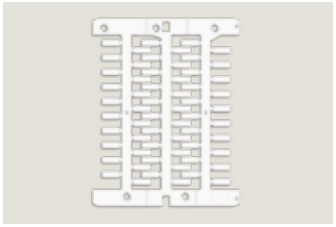
Mounting on Cabur terminal blocks

Writing type

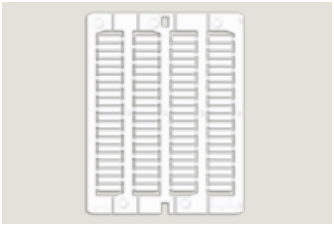
51

HORIZONTAL

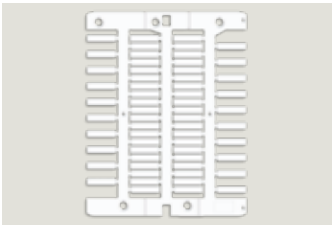
SPECIAL NUMBERING		
CODE	**ID CODE**	**DESCRIPTION**
NUT12SP	NUT12SP	NUT12SP - special numbering
NUT12YSP	NUT12YSP	NUT12YSP - special numbering
NUT15SP	NUT15SP	NUT15SP - special numbering
NUT15YSP	NUT15YSP	NUT15YSP - special numbering
NUT18SP	NUT18SP	NUT18SP - special numbering
NUT18YSP	NUT18YSP	NUT18YSP - special numbering
NUT23SP	NUT23SP	NUT23SP - special numbering
NUT23YSP	NUT23YSP	NUT23YSP - special numbering



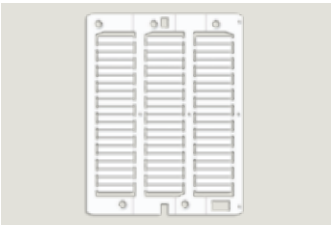
TAG CARD L. 12 mm



TAG CARD L. 15 mm



TAG CARD L. 18 mm



TAG CARD L. 23 mm

INDEX BY CODE

CODE	TYPE	QTY. per pk.	PAGE
A			
AC100	ACB.70/BB	12	90
AC400	ACB.120/BB	12	90
AC700	ACB.185/BB	12	90
AF201	AFO/PT	50	162
AF400	AFO.2/2+2	100	131
AF500	AFO.2/1+1	100	131
B			
BC100	BCA.70/BB	10	91
BC400	BCA.120/BB	10	91
BP100	BPL.4	60	139
BP200	BPL/R	100	139
BP300	BPL.4/PS	60	140
BT003	BT/3	25	163
BT005	BTU	25	163
BT006	BT/2	25	163
BT007	BTO	25	163
C			
CABURJET	CABURJET	1	198
CAMUT010	CAMUT.12/10	10	156
CAMUT02	CAMUT.12/02	10	156
CAMUT04	CAMUT.12/04	10	156
CAMUT06	CAMUT.12/06	10	156
CAMUT16	CAMUT.12/16	10	156
CAMUT25	CAMUT.12/25	10	156
CB009	CBD/SH	10	182
CB061GR	CBC.2-10/PT/GR	50	162
CB110	CBD.2	120	75
CB111	CB2/PT	50	162
CB161GR	CBC.16/PT/GR	25	162
CB240	CBD.4	100	75
CB241	CB4/6/PT	25	162
CB340	CBD.6	100	75
CB351GR	CBC.35/PT/GR	25	162
CB431	CB10/PT	25	162
CB440	CBD.10	100	76
CB510	CBD.16	50	76
CB511	CB16/PT	25	162
CB610	CBD.35	75	76
CB611	CB35/PT	25	162
CB710	CBD.50	50	77
CB710GR	CBD.50/GR	50	77
CB711	CB50/PT	10	162
CB810	CBD.70	40	77
CB810GR	CBD.70/GR	40	77
CB811	CB70/PT	10	162
CBC02GR	CBC.2/GR	120	63
CBC04GR	CBC.4/GR	100	63
CBC06GR	CBC.6/GR	100	63
CBC10GR	CBC.10/GR	100	64
CBC16GR	CBC.16/GR	50	64
CBC35GR	CBC.35/GR	50	64
CBF04	CBF.4	50	105
CBF04GR	CBF.4/GR	50	105
CBF04I	CBF.4 (Ex)i	50	105
CBF423GR	CBF.4/C230/GR	50	111
CBF448GR	CBF.4/C48/GR	50	111
CBI02	CBC.2 (Ex)i	120	63
CBI04	CBC.4 (Ex)i	100	63
CBI06	CBC.6 (Ex)i	100	63
CBI061	CBC.2-10/PT(Ex)i	50	162
CBI10	CBC.10 (Ex)i	100	64
CBI16	CBC.16 (Ex)i	50	64
CBI161	CBC.16/PT(Ex)i	25	162
CBI35	CBC.35 (Ex)i	50	64
CBI351	CBC.35/PT(Ex)i	25	162
CBS02	CBS.2	100	112
CBS02GR	CBS.2/GR	100	112
CBS02I	CBS.2 (Ex)i	100	112
CBS04	CBS.4	80	112
CBS04GR	CBS.4/GR	80	112
CBS04I	CBS.4 (Ex)i	80	112
CBX12	CBD.2 (Ex)i	120	75
CBX13	CB2/PT (Ex)i	50	162
CBX24	CBD.4 (Ex)i	100	75
CBX25	CB4/6/PT (Ex)i	25	162
CBX34	CBD.6 (Ex)i	100	75
CBX44	CB10/PT (Ex)i	25	162
CBX45	CBD.10 (Ex)i	100	76
CBX52	CBD.16 (Ex)i	50	76
CBX53	CB16/PT (Ex)i	25	162
CBX62	CBD.35 (Ex)i	75	76
CBX63	CB35/PT (Ex)i	25	162
CBX72	CBD.50 (Ex)i	50	77
CBX73	CB50/PT (Ex)i	10	162
CBX82	CBD.70 (Ex)i	40	77
CBX83	CB70/PT (Ex)i	10	162
CCH02	CCH/2.5-4	1	189
CCH06	CCH/6	1	189
CCV03	CCV/2.5	1	189
CCV04	CCV/4	1	189
CCV05	CCV/5	1	189
CE110	CBE.2	70	94
CF100	CF.12/1+1	50	141
CF200	CF.12/2+2	25	141
CF900	CF.12/CPT	40	141
CI110	CBR.2 (Ex)i	75	65
CONT206	CONT/2/06	20	154
CONT216	CONT/2/16	20	154
CONT225	CONT/2/25	20	154
CONT235	CONT/2/35	5	154
CONT306	CONT/3/6	10	154
CONT316	CONT/3/16	5	154
CONT606	CONT/6/6	5	154
CONT616	CONT616	5	154
CONTC01	CONT/1,5	10	155
CONTC02	CONT/2,5	10	155
CONTC04	CONT/4	10	155
CONTC06	CONT/6	10	155
CONTC10	CONT/10	5	155
CONTC16	CONT/16	5	155
CONTC25	CONT/25	5	155
CONTC35	CONT/35	5	155
CPF05	CPF/5	20	181
CPFE02	CPFE/2	20	181
CPFE04	CPFE/4	20	181
CPM01	CPM/01	25	177
CPM03	CPM/03	25	177
CPM06	CPM/06	10	177
CPM07	CPM/07	10	177
CPM08	CPM/08	10	177
CPM12	CPM/12	25	177
CPM16	CPM/16	25	177
CPM21	CPM/21	25	177
CPM25	CPM/25	25	177
CPM35	CPM/35	20	177
CPM44	CPM/44	25	177
CPM53	CPM/53	25	177
CPM56	CPM/56	25	177
CPM57	CPM/57	25	177
CPM70	CPM/70	25	177
CPM83	CPM/83	25	177
CPX01	CPX/01	25	177
CPX03	CPX/03	25	177
CPX06	CPX/06	10	177
CPX07	CPX/07	10	177
CPX08	CPX/08	10	177
CPX12	CPX/12	25	177
CPX16	CPX/16	25	177
CPX21	CPX/21	25	177
CPX35	CPX/35	10	177
CPX44	CPX/44	25	177
CPX53	CPX/53	25	177
CPX83	CPX/83	25	177
CR110	CBR.2	75	65
CR110GR	CBR.2/GR	75	65
CR111	CBR/PT	25	162
CV100	CVF.4	100	132
CV100GR	CVF.4/GR	100	132
CV101	CVF/PT	25	162
CV101GR	CVF/PT/GR	25	162
CV201	CVF/PT (Ex)i	25	162
D			
DA100	DSFA.4	100	109
DA100GR	DSFA.4/GR	100	109
DA200	DSF.4	80	108
DA200GR	DSF.4/GR	80	108
DB100	DBC.2	120	98
DB100GR	DBC.2/GR	120	98
DB101	DBC/PT	25	162

CODE	TYPE	QTY. per pk.	PAGE
DB117	DBC.2/CI	120	98
DB117GR	DBC.2/CI/GR	120	98
DB200	DBC.2 (Ex)i	120	98
DB201	DBC/PT(Ex)i	25	162
DB400GR	DBC.4/GR	100	99
DB500	DBC.4 (Ex)i	100	99
DB517	DBC.4/CI (Ex)i	100	99
DC005	SDC/5	25	179
DC006	SDC/6	25	179
DC05P	SDC/5P	25	179
DC05V	SDC/5V	25	179
DC06P	SDC/6P	25	179
DC06V	SDC/6V	25	179
DCPOL	SDC/POL	25	179
DD001	SDD/1	50	180
DD002	SDD/2	50	180
DD005	SDD/5	25	179
DD006	SDD/6	25	179
DD006-DD001	SDD/6-SDD/1	25	180
DD501	SD5/PT	25	179
DD601	SD6/PT	25	179
DF300	DFM/300	50	185
DF400	DFM/400	50	185
DF500	DFM/500	50	185
DF600	DFM/600	50	185
DF700	DFM/700	50	185
DF800	DFM/800	50	185
DF900	DFM/900	50	185
DFE01R	DFE.1+1/R	20	184
DFE02R	DFE.1+2/R	20	184
DFE03R	DFE.2+2/R	20	184
DFE04R	DFE.2P/R	20	184
DFP2R	DFP/2/R	50	184
DH004	SDH/4	25	179
DH005	SDH/5	25	179
DH006	SDH/6	25	179
DH007	SDH/7	25	179
DH01R	DFH/1/R	25	184
DH02R	DFH/2/R	25	184
DH03R	DFH/3/R	25	184
DH04R	DFH/4/R	25	184
DH401	SH4/PT	25	179
DH501	SH5/PT	25	179
DH601	SH6/PT	25	179
DH701	SH7/PT	25	179
DS100	DAS.4	120	100
DS100GR	DAS.4/GR	120	100
DS101	DAS/PT	25	162
DS107	DAS/VCI	25	182
DS108	DAS/VCE	25	182
DS110	DAS.4/SS	20	101
DS110GR	DAS.4/SS/GR	20	101

CODE	TYPE	QTY. per pk.	PAGE
DS111	DAS.4/A	20	126
DS111GR	DAS.4/A/GR	20	126
DS112	DAS.4/B	20	126
DS112GR	DAS.4/B/GR	20	126
DS113	DAS.4/C	20	127
DS113GR	DAS.4/C/GR	20	127
DS114	DAS.4/D	20	127
DS114GR	DAS.4/D/GR	20	127
DS115	DAS.4/E	20	128
DS115GR	DAS.4/E/GR	20	128
DS117	DAS.4/CI	120	100
DS117GR	DAS.4/CI/GR	120	100
DS119	DAS.4/I	20	128
DS119GR	DAS.4/I/GR	20	128
DS120	DAS.4/DD	20	129
DS120GR	DAS.4/DD/GR	20	129
DS128	DAS.4/T	20	130
DS128GR	DAS.4/T/GR	20	130
DS129	DAS.4/U	20	130
DS129GR	DAS.4/U/GR	20	130
DS130	DAS.4/L	20	129
DS130GR	DAS.4/L/GR	20	129
DS200	DAS.4 (Ex)i	120	100
DS201	DAS/PT (Ex)i	25	162
DS217	DAS.4/CI (Ex)i	120	100
DS301	DSS/PT	25	162
DS301GR	DSS/PT/GR	25	162
DS400	DSS.4	100	101
DS400	DSS.4	100	113
DS400GR	DSS.4/GR	100	101
DS400GR	DSS.4/GR	100	113
DS401GR	DFS.4/PT/GR	25	162
DSD005	DAS.4/D5	20	122
DSD005GR	DAS.4/D5/GR	20	122
DSD012	DAS.4/D12	20	122
DSD012GR	DAS.4/D12/GR	20	122
DSD024	DAS.4/D24	20	123
DSD024GR	DAS.4/D24/GR	20	123
DSD060	DAS.4/D60	20	123
DSD060GR	DAS.4/D60/GR	20	123
DSV024	DAS.4/V24	20	124
DSV024GR	DAS.4/V24/GR	20	124
DSV048	DAS.4/V48	20	124
DSV048GR	DAS.4/V48/GR	20	124
DSV120	DAS.4/V120	20	125
DSV120GR	DAS.4/V120/GR	20	125
DSV230	DAS.4/V230	20	125
DSV230GR	DAS.4/V230/GR	20	125
DU01R	DFU/1/R	50	184
DU02R	DFU/2/R	50	184
DU03R	DFU/3/R	50	184
DU04R	DFU/4/R	50	184

CODE	TYPE	QTY. per pk.	PAGE
DU05R	DFU/5/R	25	184
DU06R	DFU/6/R	25	184
DU07R	DFU/7/R	25	184
E			
EFB0202B	EFB.2/2/B	20	175
EFB0202R	EFB.2/2/R	20	175
EFB0203B	EFB.2/3/B	20	175
EFB0203R	EFB.2/3/R	20	175
EFB0205B	EFB.2/5/B	10	175
EFB0205R	EFB.2/5/R	10	175
EFB0210B	EFB.2/10/B	5	175
EFB0210R	EFB.2/10/R	5	175
EFB0402B	EFB.4/2/B	20	175
EFB0402R	EFB.4/2/R	20	175
EFB0403B	EFB.4/3/B	20	175
EFB0403R	EFB.4/3/R	20	175
EFB0405B	EFB.4/5/B	10	175
EFB0405R	EFB.4/5/R	10	175
EFB0410B	EFB.4/10/B	5	175
EFB0410R	EFB.4/10/R	5	175
EFC100BL	EFC.1/BL	100	13
EFC100GR	EFC.1/GR	100	13
EFC110BL	EFC.1/1+2/BL	80	13
EFC110GR	EFC.1/1+2/GR	80	13
EFC120BL	EFC.1/2+2/BL	70	13
EFC120GR	EFC.1/2+2/GR	70	13
EFC200BL	EFC.2/BL	160	14
EFC200GR	EFC.2/GR	160	14
EFC201BL	EFC.2/PT/BL	25	162
EFC201GR	EFC.2/PT/GR	25	162
EFC210BL	EFC.2/1+2/BL	120	14
EFC210GR	EFC.2/1+2/GR	120	14
EFC211BL	EFC.2/1+2/PT/BL	25	162
EFC211GR	EFC.2/1+2/PT/GR	25	162
EFC220BL	EFC.2/2+2/BL	90	14
EFC220GR	EFC.2/2+2/GR	90	14
EFC221BL	EFC.2/2+2/PT/BL	25	162
EFC221GR	EFC.2/2+2/PT/GR	25	162
EFC400BL	EFC.4/BL	120	15
EFC400GR	EFC.4/GR	120	15
EFC401BL	EFC.4/PT/BL	25	162
EFC401GR	EFC.4/PT/GR	25	162
EFC410BL	EFC.4/1+2/BL	110	15
EFC410GR	EFC.4/1+2/GR	110	15
EFC411BL	EFC.4/1+2/PT/BL	25	162
EFC411GR	EFC.4/1+2/PT/GR	25	162
EFC420BL	EFC.4/2+2/BL	90	15
EFC420GR	EFC.4/2+2/GR	90	15
EFC421BL	EFC.4/2+2/PT/BL	25	162
EFC421GR	EFC.4/2+2/PT/GR	25	162
EFC600BL	EFC.6/BL	30	16
EFC600GR	EFC.6/GR	30	16
EFC610BL	EFC.6/1+2/BL	20	16

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CODE	TYPE	QTY. per pk.	PAGE
EFC610GR	EFC.6/1+2/GR	20	16
EFCE100	EFCE.1	75	27
EFCE110	EFCE.1/1+2	50	27
EFCE120	EFCE.1/2+2	50	27
EFCE200	EFCE.2	80	28
EFCE210	EFCE.2/1+2	50	28
EFCE220	EFCE.2/2+2	60	28
EFCE400	EFCE.4	70	29
EFCE410	EFCE.4/1+2	60	29
EFCE420	EFCE.4/2+2	90	29
EFCE600	EFCE.6	30	30
EFCE610	EFCE.6/1+2	20	30
EFD100BL	EFD.1/BL	40	17
EFD100GR	EFD.1/GR	40	17
EFD110BL	EFD.1/CI/BL	40	17
EFD110GR	EFD.1/CI/GR	40	17
EFD120GR	EFD.1/E/GR	40	17
EFD200BL	EFD.2/BL	130	18
EFD200GR	EFD.2/GR	130	18
EFD201BL	EFD.2/PT/BL	25	162
EFD201GR	EFD.2/PT/GR	25	162
EFD210BL	EFD.2/CI/BL	30	18
EFD210GR	EFD.2/CI/GR	30	18
EFD220GR	EFD.2/E/GR	30	18
EFD400BL	EFD.4/BL	100	19
EFD400GR	EFD.4/GR	100	19
EFD401BL	EFD.4/PT/BL	25	162
EFD401GR	EFD.4/PT/GR	25	162
EFD410BL	EFD.4/CI/BL	40	19
EFD410GR	EFD.4/CI/GR	40	19
EFD420GR	EFD.4/E/GR	40	19
EFDE100	EFDE.1	40	31
EFDE200	EFDE.2	30	31
EFDE400	EFDE.4	40	31
EFDS200GR	EFDS.2/GR	45	24
EFDS201GR	EFDS.2/PT/GR	25	162
EFDS202GR	CPFE.2 + EFDS.2/GR	45	26
EFDS210GR	EFDS.2/1S/GR	45	24
EFDS212GR	CPFE.2 + EFDS.2/1S/GR	45	26
EFDS220GR	EFDS.2/P/GR	45	20
EFF400BL	EFF.4/BL	35	25
EFF400GR	EFF.4/GR	35	25
EFF423GR	EFF.4/C230/GR	35	25
EFF448GR	EFF.4/C48/GR	35	25
EFS200BL	EFS.2/BL	75	23
EFS200GR	EFS.2/GR	75	23
EFS202GR	CPFE.2 + EFS.2/GR	35	26
EFS400BL	EFS.4/BL	70	23
EFS400GR	EFS.4/GR	70	23
EFS402GR	CPFE.4 + EFS.4/GR	35	26
EFT200BL	EFT.2/BL	100	21
EFT200GR	EFT.2/GR	100	21

CODE	TYPE	QTY. per pk.	PAGE
EFT201BL	EFT.2/PT/BL	25	162
EFT201GR	EFT.2/PT/GR	25	162
EFT210BL	EFT.2/CI/BL	35	21
EFT210GR	EFT.2/CI/GR	35	21
EFT220GR	EFT.2/E/GR	35	21
EFT250GR	EFT.2/S/GR	100	22
EFT251GR	EFT.2/S/PT/GR	25	162
EFTE200	EFTE.2	35	32
F			
FC102	SFC/CO	70	182
FD100	FDP.2	70	132
FD100GR	FDP.2/GR	70	132
FD101	FDP/PT	25	162
FD101GR	FDP/PT/GR	25	162
FF100	FFS.4	120	102
FF100GR	FFS.4/GR	120	102
FF101	FFS/PT	25	162
FF101GR	FFS/PT/GR	25	162
FJ402	FJ402	80	157
FJ403	FJ403	60	157
FJ405	FJ405	40	157
FL201	FL201	100	183
FL202	FL202	100	183
FN001ST	F5/100 mA	100	183
FN002ST	F5/200 mA	100	183
FN003ST	F5/315 mA	100	183
FN004ST	F5/500 mA	100	183
FN005ST	F5/630 mA	100	183
FN006ST	F5/1 A	100	183
FN007ST	F5/1.6 A	100	183
FN008ST	F5/2 A	100	183
FN009ST	F5/2.5 A	100	183
FN010ST	F5/3.15 A	100	183
FN011ST	F5/4 A	100	183
FN012ST	F5/5 A	100	183
FN013ST	F5/6.3 A	100	183
FN014ST	F5/8 A	100	183
FN015ST	F5/10 A	100	183
FN016ST	F5/12 A	100	183
FP100	FPC.10	70	110
FP100	FPC.10	70	116
FP200	FPL.10/L	70	110
FP300	FPL.10/C	70	110
FP923	FPL.10/C230	70	111
FP948	FPL.10/C48	70	111
FV100	FVS.4	120	102
FV100GR	FVS.4/GR	120	102
FV101	FVS/PT	25	162
FV101GR	FVS/PT/GR	25	162
FV107	FVS/VCI	25	182
FV108	FVS/VCE	25	182
G			
GA100	GPA.95	10	67
GA100GR	GPA.95/GR	10	67

CODE	TYPE	QTY. per pk.	PAGE
GA110	GPA.95 (Ex)i	10	67
GA200	GPA.150	8	68
GA200GR	GPA.150/GR	8	68
GA300	GPA.240	4	69
GA300GR	GPA.240/GR	4	69
GA400	GPA.70	25	66
GA400GR	GPA.70/GR	25	66
GA410	GPA.70 (Ex)i	25	66
GF100	GPA.95/FIX	10	67
GF100GR	GPA.95/FIX/GR	10	67
GF200	GPA.150/FIX	8	68
GF200GR	GPA.150/FX/GR	8	68
GF300	GPA.240/FIX	4	69
GF300GR	GPA.240/FIX/GR	4	69
GF400	GPA.70/FIX	25	66
GF400GR	GPA.70/FIX/GR	25	66
GP100	GPM.95/BB	10	79
GP100GR	GPM.95/BB/GR	10	79
GP110	GPM.95/BB/FIX	10	79
GP110GR	GPM.95/BB/FIX/GR	10	79
GP120	GPM.95/O/BB	10	88
GP125	GPM.95/C/BB	10	88
GP130	GPM.95/O/BB/FIX	10	88
GP135	GPM.95/C/BB/FIX	10	88
GP200	GPM.95/BC	10	82
GP200GR	GPM.95/BC/GR	10	82
GP210	GPM.95/BC/FIX	10	82
GP210GR	GPM.95/BC/FIX/GR	10	82
GP300	GPM.95/CC	10	85
GP300GR	GPM.95/CC/GR	10	85
GP310	GPM.95/CC/FIX	10	85
GP310GR	GPM.95/CC/FIX/GR	10	85
GP400	GPM.150/BB	6	80
GP400GR	GPM.150/BB/GR	6	80
GP410	GPM.150/BB/FIX	6	80
GP410GR	GPM.150/BB/FIX/GR	6	80
GP420	GPM.150/O/BB	6	88
GP425	GPM.150/C/BB	6	88
GP430	GPM.150/O/BB/FIX	6	89
GP435	GPM.150/C/BB/FIX	6	89
GP500	GPM.150/BC	6	83
GP500GR	GPM.150/BC/GR	6	83
GP510	GPM.150/BC/FIX	4	83
GP510GR	GPM.150/BC/FIX/GR	4	83
GP600	GPM.150/CC	6	86
GP600GR	GPM.150/CC/GR	6	86
GP610	GPM.150/CC/FIX	6	86
GP610GR	GPM.150/CC/FIX/GR	6	86
GP700	GPM.240/BB	4	81
GP700GR	GPM.240/BB/GR	4	81
GP710	GPM.240/BB/FIX	4	81
GP710GR	GPM.240/BB/FIX/GR	4	81

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CODE	TYPE	QTY. per pk.	PAGE
GP720	GPM.240/O/BB	4	89
GP725	GPM.240/C/BB	4	89
GP730	GPM.240/O/BB/FIX	4	89
GP735	GPM.240/C/BB/FIX	4	89
GP800	GPM.240/BC	4	84
GP800GR	GPM.240/BC/GR	4	84
GP810	GPM.240/BC/FIX	4	84
GP810GR	GPM.240/BC/FIX/GR	4	84
GP900	GPM.240/CC	4	87
GP900GR	GPM.240/CC/GR	4	87
GP910	GPM.240/CC/FIX	4	87
GP910GR	GPM.240/CC/FIX/GR	4	87
H			
HB100GR	HSCB.4/GR	90	52
HB101GR	HSCB.4/PT/GR	25	162
HB200GR	HSCB.6/GR	60	52
HB201GR	HSCB.6/PT/GR	25	162
HB203	HSCB/6/PO/2	40	182
HB204	HSCB/6/PO/4	20	182
HB205	HSCB.6/CPM	40	182
HC200GR	HCD.1/GR	40	55
HC201GR	HCD.1/PT/GR	25	162
HC210	HCD.1 (Ex)i	40	55
HD100GR	HMD.2/GR	60	47
HD101GR	HMD/PT/GR	25	162
HD120GR	HMD.1/CI/GR	50	45
HD130GR	HMD.1/X/GR	50	48
HD200GR	HMD.1/GR	50	45
HD201GR	HMD.1/PT/GR	25	162
HD300	HMD.1 (Ex)i	50	45
HD301	HMD.1/PT(Ex)i	25	162
HD400GR	HMD.2N/GR	40	46
HD410	HMD.2N (Ex)i	40	46
HD420GR	HMD.2N/DD/GR	40	49
HD430GR	HMD.2/3DC/GR	40	49
HD440GR	HMD.2N/X/GR	40	48
HD441GR	HMD.2N/X1/GR	40	48
HD450GR	HMD.2N/CI/GR	40	46
HD510	HLD.2 (Ex)i	50	50
HF111GR	HMF/PT/GR	25	162
HF210GR	HFR.4/GR	70	54
HF211GR	HFR.4/PT/GR	25	162
HF300GR	HMFA.2/GR	80	53
HF310GR	HFR.4/M/GR	100	54
HF510	CIL/HFR/115-230	10	183
HF518	CIL/HFR/12-48	10	183
HI130	HP.2 (Ex)i	100	58
HI131	HPC.2 (Ex)i	100	59
HI132	HPP.2 (Ex)i	100	58
HI210	HMM.4/1+2 (Ex)i	40	38
HI220	HMM.4/2+2 (Ex)i	20	38
HI250	HMM.4 (Ex)i	60	38
HI251	HMT.4/PT (Ex)i	25	162

CODE	TYPE	QTY. per pk.	PAGE
HI320	HMM.6 (Ex)i	30	39
HI321	HMT.6/PT (Ex)i	25	162
HI330	HMM.10 (Ex)i	30	39
HI340	HMM.16 (Ex)i	30	39
HI400	HMM.1 (Ex)i	100	35
HI401	HMT.1/PT (Ex)i	25	162
HI410	HMM.1/1+2 (Ex)i	80	35
HI411	HMT.1/1+2/PT(Ex)i	25	162
HI420	HMM.1/2+2 (Ex)i	60	35
HI421	HMT.1/2+2/PT(Ex)i	25	162
HI500	HMM.2 (Ex)i	80	36
HI501	HMT.2/PT (Ex)i	25	162
HI510	HMM.2/1+2 (Ex)i	80	36
HI511	HMT.2/1+2/PT(Ex)i	25	162
HI520	HMM.2/2+2 (Ex)i	60	36
HI521	HMT.2/2+2/PT(Ex)i	25	162
HL200GR	HLD.2/GR	50	50
HL201GR	HLD.2/PT/GR	25	162
HL210GR	HLD.2/CI/GR	50	50
HL500GR	HDE.2/GR	50	50
HLT500	HTTE.2	50	51
HM170GR	HMM.2/2+2/A/GR	60	37
HM210GR	HMM.4/1+2/GR	40	38
HM220GR	HMM.4/2+2/GR	40	38
HM250GR	HMM.4/GR	60	38
HM251GR	HMT.4/PT/GR	25	162
HM320GR	HMM.6/GR	30	39
HM321GR	HMT.6/PT/GR	25	162
HM330GR	HMM.10/GR	30	39
HM340GR	HMM.16/GR	30	39
HM350GR	HMR.16/GR	15	40
HM360GR	HMR.16/D/GR	30	40
HM400GR	HMM.1/GR	100	35
HM401GR	HMT.1/PT/GR	25	162
HM410GR	HMM.1/1+2/GR	80	35
HM411GR	HMT.1/1+2/PT	25	162
HM420GR	HMM.1/2+2/GR	60	35
HM421GR	HMT.1/2+2/PT	25	162
HM500GR	HMM.2/GR	80	36
HM501GR	HMT.2/PT/GR	25	162
HM510GR	HMM.2/1+2/GR	80	36
HM511GR	HMT.2/1+2/PT/GR	25	162
HM520GR	HMM.2/2+2/GR	60	36
HM521GR	HMT.2/2+2/PT/GR	25	162
HMS10GR	HMM.2/2+2/S/GR	60	37
HMS20GR	HMM.2/1+2/S/GR	80	37
HP101GR	HP/PT/GR	25	162
HP150GR	HP.2/GR	100	58
HP160GR	HPC.2/GR	100	59
HP170GR	HPP.2/GR	100	58
HS200GR	HMS.2/GR	80	52
HT250	HTE.4	60	43

CODE	TYPE	QTY. per pk.	PAGE
HT260	HTE.4/1+2	40	43
HT270	HTE.4/2+2	20	43
HT320	HTE.6	30	44
HT330	HTE.10	30	44
HT340	HTE.16	30	44
HT400	HTE.1	80	41
HT410	HTE.1/1+2	80	41
HT420	HTE.1/2+2	60	41
HT500	HTE.2	80	42
HT510	HTE.2/1+2	80	42
HT520	HTE.2/2+2	60	42
HV111GR	HPV/PT/GR	25	162
HVP300GR	HVPC.2/GR	120	56
HVP305	HVPC.2 (Ex)i	120	56
HVP900GR	CHP.2/GR	20	56
HVP905	CHP.2 (Ex)i	20	56
HVP910GR	CHP.2D/GR	20	56
HVP915	CHP.2D (Ex)i	20	56
HVT500	HVTE.2	80	57
HVT900	CHTE.2	20	57
HVT910	CHTE.2D	20	57
K			
KIT1224	KITLSN/12-24	1	183
KIT70380	KITLSN/70-380	1	183
M			
MB100	MBL.50/6	10	92
MB200	MBL.95/8	10	92
MB300	MBL.120/10	10	93
MB400	MBL.150/12	10	93
MF100	MPFA.4	100	109
MF100GR	MPFA.4/GR	100	109
MP901	MPS.4/PT	25	162
MP901GR	MPS.4/PT/GR	25	162
MP902	MPS.4/PT(Ex)i	25	162
MP950	MPS.4	100	113
MP950GR	MPS.4/GR	100	113
MP960	MPS.4 (Ex)i	100	113
MZ300N	MS/8X10/N	1	144
MZ300T	MS/8X10/T	1	144
N			
NU0800SP	NU0800SP	500	201
NU08510	NU08510	500	199
NU0851001	NU0851001	500	199
NU0851001V	NU0851001V	500	199
NU0851010	NU0851010	500	199
NU0851010V	NU0851010V	500	199
NU0851011	NU0851011	500	199
NU0851011V	NU0851011V	500	199
NU0851012	NU0851012	500	199
NU0851012V	NU0851012V	500	199
NU0851013	NU0851013	500	199
NU0851013V	NU0851013V	500	199
NU0851014	NU0851014	500	199
NU0851014V	NU0851014V	500	199
NU0851015	NU0851015	500	199

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CODE	TYPE	QTY. per pk.	PAGE
NU0851015V	NU0851015V	500	199
NU0851016	NU0851016	500	199
NU0851016V	NU0851016V	500	199
NU0851017	NU0851017	500	199
NU0851017V	NU0851017V	500	199
NU0851018	NU0851018	500	199
NU0851018V	NU0851018V	500	199
NU0851019	NU0851019	500	199
NU0851019V	NU0851019V	500	199
NU0851020	NU0851020	500	199
NU0851020V	NU0851020V	500	199
NU085102A	NU085102A	500	199
NU085102AV	NU085102AV	500	199
NU0851051	NU0851051	500	199
NU0851051V	NU0851051V	500	199
NU08510L1	NU08510L1	500	199
NU08510L1V	NU08510L1V	500	199
NU08510L2	NU08510L2	500	199
NU08510L2V	NU08510L2V	500	199
NU08510L3	NU08510L3	500	199
NU08510L3V	NU08510L3V	500	199
NU08510NI	NU08510NI	500	199
NU08510NIV	NU08510NIV	500	199
NU08510PE	NU08510PE	500	199
NU08510PEV	NU08510PEV	500	199
NU08510R1	NU08510R1	500	199
NU08510R1V	NU08510R1V	500	199
NU08510S1	NU08510S1	500	199
NU08510S1V	NU08510S1V	500	199
NU08510S2	NU08510S2	500	199
NU08510S2V	NU08510S2V	500	199
NU08510S3	NU08510S3	500	199
NU08510S3V	NU08510S3V	500	199
NU08510U1	NU08510U1	500	199
NU08510U1V	NU08510U1V	500	199
NU08510U2	NU08510U2	500	199
NU08510U2V	NU08510U2V	500	199
NU08510V	NU08510V	500	199
NU08510V1	NU08510V1	500	199
NU08510V1V	NU08510V1V	500	199
NU08510V2	NU08510V2	500	199
NU08510V2V	NU08510V2V	500	199
NU08510W1	NU08510W1	500	199
NU08510W1V	NU08510W1V	500	199
NU08510W2	NU08510W2	500	199
NU08510W2V	NU08510W2V	500	199
NU08511	NU08511	500	199
NU085110	NU085110	500	199
NU0851101	NU0851101	500	199
NU0851101V	NU0851101V	500	199
NU085110V	NU085110V	500	199
NU085111	NU085111	500	199
NU085111V	NU085111V	500	199
NU085112	NU085112	500	199
NU085112V	NU085112V	500	199
NU085114	NU085114	500	199
NU085114V	NU085114V	500	199
NU085115	NU085115	500	199
NU0851151	NU0851151	500	199
NU0851151V	NU0851151V	500	199
NU085115V	NU085115V	500	199
NU08511V	NU08511V	500	199
NU08512	NU08512	500	199
NU0851201	NU0851201	500	199
NU0851201V	NU0851201V	500	199
NU0851251	NU0851251	500	199
NU0851251V	NU0851251V	500	199
NU08512V	NU08512V	500	199
NU08513	NU08513	500	199
NU0851301	NU0851301	500	199
NU0851301V	NU0851301V	500	199
NU0851351	NU0851351	500	199
NU0851351V	NU0851351V	500	199
NU08513V	NU08513V	500	199
NU08514	NU08514	500	199
NU0851401	NU0851401	500	199
NU0851401V	NU0851401V	500	199
NU0851451	NU0851451	500	199
NU0851451V	NU0851451V	500	199
NU08514V	NU08514V	500	199
NU08515	NU08515	500	200
NU0851501	NU0851501	500	199
NU0851501V	NU0851501V	500	199
NU0851510	NU0851510	500	200
NU0851510V	NU0851510V	500	200
NU0851520	NU0851520	500	200
NU0851520V	NU0851520V	500	200
NU0851530	NU0851530	500	200
NU0851530V	NU0851530V	500	200
NU0851540	NU0851540	500	200
NU0851540V	NU0851540V	500	200
NU0851550	NU0851550	500	200
NU0851550V	NU0851550V	500	200
NU0851551	NU0851551	500	200
NU0851551V	NU0851551V	500	200
NU0851560	NU0851560	500	200
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NU0851580V	NU0851580V	500	200
NU0851590	NU0851590	500	200
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NU08515V	NU08515V	500	200
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NU0851801	NU0851801	500	200
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NU0851851	NU0851851	500	200
NU0851851V	NU0851851V	500	200
NU08518V	NU08518V	500	200
NU08519	NU08519	500	200
NU0851901	NU0851901	500	200
NU0851901V	NU0851901V	500	200
NU0851951	NU0851951	500	200
NU0851951V	NU0851951V	500	200
NU08519V	NU08519V	500	200
NU0851A	NU0851A	500	200
NU0851AV	NU0851AV	500	200
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NU0851C	NU0851C	500	200
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NU0851D	NU0851D	500	200
NU0851DV	NU0851DV	500	200
NU0851E	NU0851E	500	200
NU0851EV	NU0851EV	500	200
NU0851F	NU0851F	500	200
NU0851FV	NU0851FV	500	200
NU0851G	NU0851G	500	200
NU0851GV	NU0851GV	500	200
NU0851H	NU0851H	500	200
NU0851HV	NU0851HV	500	200
NU0851I	NU0851I	500	200
NU0851IV	NU0851IV	500	200
NU0851JV	NU0851JV	500	200
NU0851KV	NU0851KV	500	200
NU0851L	NU0851L	500	200
NU0851LV	NU0851LV	500	200
NU0851M	NU0851M	500	200
NU0851MV	NU0851MV	500	200
NU0851N	NU0851N	500	200
NU0851NV	NU0851NV	500	200

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NU0851O	NU0851O	500	200
NU0851OV	NU0851OV	500	200
NU0851P	NU0851P	500	200
NU0851PV	NU0851PV	500	200
NU0851Q	NU0851Q	500	200
NU0851QV	NU0851QV	500	200
NU0851R	NU0851R	500	200
NU0851RV	NU0851RV	500	200
NU0851S	NU0851S	1500	199
NU0851SI	NU0851SI	500	200
NU0851SP	NU0851SP	500	201
NU0851SV	NU0851SV	500	200
NU0851T	NU0851T	500	200
NU0851TV	NU0851TV	500	200
NU0851UV	NU0851UV	500	200
NU0851V	NU0851V	500	200
NU0851VV	NU0851VV	500	200
NU0851W	NU0851W	500	200
NU0851WV	NU0851WV	500	200
NU0851X	NU0851X	500	200
NU0851XV	NU0851XV	500	200
NU0851Y	NU0851Y	500	200
NU0851YV	NU0851YV	500	200
NU0851Z	NU0851Z	500	200
NU0851ZV	NU0851ZV	500	200
NU0861SP	NU0861SP	400	201
NU1051SP	NU1051SP	500	201
NU1055SP	NU1055SP	450	201
NU1061SP	NU1061SP	400	201
NU1065SP	NU1065SP	400	201
NUL1061SP	NUL1061	425	201
NUPUTUK50SP	NUPUTUK50SP	500	201
NUT12SP	NUT12SP	300	202
NUT12YSP	NUT12YSP	300	202
NUT15SP	NUT15SP	400	202
NUT15YSP	NUT15YSP	400	202
NUT18SP	NUT18SP	300	202
NUT18YSP	NUT18YSP	300	202
NUT23SP	NUT23SP	300	202
NUT23YSP	NUT23YSP	300	202
NUWDK50SP	NUWDK50SP	500	201
NUWDU50SP	NUWDU50SP	500	201
NUWG051SP	NUWG051SP	400	201
PD001	PSD/A	50	180
PD002	PSD/B	50	180
PD003	PSD/C	50	180
PD004	PSD/D	50	180
PD009	PSD/L	50	180
PD011	PSD/K	50	180
PD013	PSD/N	50	180
PD014	PSD/J	50	180
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PD017	PSD/O	50	180
PF100	PDF.2	75	132
PF100GR	PDF.2/GR	75	132
PF101	PDF/PT	25	162
PH100	PH/2.5-4	25	175
PIL02	PIL/2	15	170
PIL03	PIL/3	15	170
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PIL08	PIL/8	10	170
PM100	PM/10/10	10	170
PM102	PM/10/2	25	170
PM103	PM/10/3	25	170
PM105	PM/10/5	25	170
PM110	PM/11/10	10	170
PM112	PM/11/2	25	170
PM113	PM/11/3	25	170
PM115	PM/11/5	25	170
PM120	PM/12/10	10	170
PM122	PM/12/2	25	170
PM123	PM/12/3	25	170
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PM305	PM/30/5	25	170
PM310	PM/30/10	10	170
PM400	PM/40/10	10	170
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PM403	PM/40/3	25	170
PM405	PM/40/5	25	170
PM410	PM/40/10	10	170
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PM515	PM/51/5	25	170
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PM605	PM/60/5	25	170
PM610	PM/60/10	10	170
PMP01	PMP/01	8	177
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PMP04	PMP/04	8	177
PMP05	PMP/05	8	177
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PMP07	PMP/07	8	177
PMP08	PMP/08	8	177

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PMP16	PMP/16	8	177
PMP25	PMP/25	8	177
PMP35	PMP/35	8	177
PMP42	PMP/42	8	177
PMP56	PMP/56	8	177
PMP58	PMP/58	8	177
PO152	POF/150/2	10	176
PO153	PO/150/3	10	176
PO242	POF/240/2	10	176
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PO952	POF/95/2	10	176
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POS66	POS/66	25	178
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POS77	POS/77	25	178
POS93	POS/93	25	178
PR001	PR/DIN/AC	20	165
PR002	PR/DIN/AL	20	165
PR003	PR/3/AC	40	165
PR004	PR/DIN/AS	20	165
PR005	PR/3/AS	40	165
PR006	PR/3/PA	20	165
PR007	PR/3/PP	20	165
PR009	PR/2/AC	100	165
PR010	PR/2/AS	100	165
PR901	PR/DIN/AC/ZB	20	165
PR903	PR/3/AC/ZB	40	165
PR904	PR/DIN/AS/ZB	20	165
PR905	PR/3/AS/ZB	40	165
PR906	PR/3/PA/ZB	20	165
PR907	PR/3/PP/ZB	20	165
PR909	PR/2/AC/ZB	100	165
PR910	PR/2/AS/ZB	100	165
PRP070G	PRP/7/G	10	187

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PTC0102	PTC/1/02	25	171
PTC0103	PTC/1/03	25	171
PTC0105	PTC/1/05	25	171
PTC0110	PTC/1/10	10	171
PTC0200	PTC/2/00	8	171
PTC0202	PTC/2/02	25	171
PTC0202	PTC/2/02	25	175
PTC0203	PTC/2/03	25	171
PTC0203	PTC/2/03	25	175
PTC0205	PTC/2/05	25	171
PTC0205	PTC/2/05	25	175
PTC0210	PTC/2/10	10	171
PTC0210	PTC/2/10	10	171
PTC0300	PTC/3/00	8	171
PTC0302	PTC/3/02	25	171
PTC0303	PTC/3/03	25	171
PTC0305	PTC/3/05	25	171
PTC0310	PTC/3/10	10	171
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PTC0403	PTC/4/03	25	171
PTC0405	PTC/4/05	25	171
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PTC0503	PTC/5/03	25	171
PTC0505	PTC/5/05	25	171
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PTC0605	PTC/6/05	25	171
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PTC1000	PTC/10/00	8	171
PTC1002	PTC/10/02	25	171
PTC1003	PTC/10/03	25	171
PTC1005	PTC/10/05	25	171
PTC1010	PTC/10/10	10	171
PTC1100	PTC/11/00	8	171
PTC1102	PTC/11/02	25	171
PTC1103	PTC/11/03	25	171
PTC1105	PTC/11/05	25	171
PTC1110	PTC/11/10	10	171
PTC1600	PTC/16/00	8	171
PTC1602	PTC/16/02	25	171
PTC1603	PTC/16/03	25	171

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PTC1605	PTC/16/05	25	171
PTC1610	PTC/16/10	10	171
PTC2000	PTC/20/00	8	171
PTC2002	PTC/20/02	25	171
PTC2003	PTC/20/03	25	171
PTC2005	PTC/20/05	25	171
PTC2010	PTC/20/10	10	171
PTM	PTM	15	164
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PTP0202R	PTP/2/02/R	25	173
PTP0203B	PTP/2/03/B	25	173
PTP0203R	PTP/2/03/R	25	173
PTP0205B	PTP/2/05/B	25	173
PTP0205R	PTP/2/05/R	25	173
PTP0210B	PTP/2/10/B	10	173
PTP0210R	PTP/2/10/R	10	173
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PTP02D03B	PTP/2D/03/B	25	173
PTP02D03R	PTP/2D/03/R	25	173
PTP02D05B	PTP/2D/035/B	25	173
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PTP02D10B	PTP/2D/10/B	10	173
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PTP02D30B	PTP/2D/30/B	8	173
PTP02D30R	PTP/2D/30/R	8	173
PTP0302B	PTP/3/02/B	25	173
PTP0302R	PTP/3/02/R	25	173
PTP0303B	PTP/3/03/B	25	173
PTP0303R	PTP/3/03/R	25	173
PTP0305B	PTP/3/05/B	25	173
PTP0305R	PTP/3/05/R	25	173
PTP0310B	PTP/3/10/B	10	173
PTP0310R	PTP/3/10/R	10	173
PTP0330B	PTP/3/30/B	8	173
PTP0330R	PTP/3/30/R	8	173
PTP0402B	PTP/4/02/B	25	173
PTP0402R	PTP/4/02/R	25	173
PTP0403B	PTP/4/03/B	25	173
PTP0403R	PTP/4/03/R	25	173
PTP0405B	PTP/4/05/B	25	173
PTP0405R	PTP/4/05/R	25	173
PTP0410B	PTP/4/10/B	10	173
PTP0410R	PTP/4/10/R	10	173
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PTP04D02R	PTP/4D/02/R	25	173
PTP04D03B	PTP/4D/03/B	25	173

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PTP04D05B	PTP/4D/05/B	25	173
PTP04D05R	PTP/4D/05/R	25	173
PTP04D10B	PTP/4D/10/B	10	173
PTP04D10R	PTP/4D/10/R	10	173
PTP04D30B	PTP/4D/30/B	8	173
PTP04D30R	PTP/4D/30/R	8	173
PTP0502B	PTP/5/02/B	25	173
PTP0502R	PTP/5/02/R	25	173
PTP0503B	PTP/5/03/B	25	173
PTP0503R	PTP/5/03/R	25	173
PTP0505B	PTP/5/05/B	25	173
PTP0505R	PTP/5/05/R	25	173
PTP0510B	PTP/5/10/B	10	173
PTP0510R	PTP/5/10/R	10	173
PTP0530B	PTP/5/30/B	8	173
PTP0530R	PTP/5/30/R	8	173
Q			
QBLOK1201	QBLOK.12/BLU	10	145
QBLOK1202	QBLOK.12/TE	10	145
QBLOK1203	QBLOK.12/GR	10	145
QBLOK1P080E	QBLOK1P080A07E	1	147
QBLOK1P125E	QBLOK1P125A08E	1	147
QBLOK1P160	QBLOK1P160A6	1	146
QBLOK1P160E	QBLOK1P160A08E	1	147
QBLOK1P250	QBLOK1P250A10	1	146
QBLOK1P250E	QBLOK1P250A12E	1	148
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QBLOK1P400E	QBLOK1P400A12E	1	148
QBLOK1P500E	QBLOK1P500A12E	1	148
QBLOK2100	QBLOK2P100A7	4	149
QBLOK2125	QBLOK2P125A11	2	149
QBLOK2126	QBLOK2P125A15	2	149
QBLOK4100	QBLOK4P100A7	2	150
QBLOK4125	QBLOK4P125A11	1	150
QBLOK4126	QBLOK4P125A15	1	150
QBLOK4160S	QBLOK4P160A9	1	151
QBLOK4160U	QBLOK4P160A9-U	1	152
QBLOK4161N	QBLOK4P160A14	1	151
QBLOK4161U	QBLOK4P160A14-U	1	152
QBLOK7001	QBLOK.7/BLU	10	145
QBLOK7002	QBLOK.7/TE	10	145
QBLOK7003	QBLOK.7/GR	10	145
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RF101GR	RFN/PT/GR	25	162
RF201	RFN/PT(Ex)i	25	162
RN300GR	RN.1/GR	125	137
RN400	RN.1 (Ex)i	125	137
RN500GR	RN.2/GR	110	137
RN510	RN.2 (Ex)i	110	137
RP300GR	RP.4/GR	200	137
RP301GR	RP.4/PT/GR	25	162
RP400	RP.4 (Ex)i	200	137

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S			
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SB200GR	SCB.6/GR	100	118
SB201	SCB/6/PT	25	162
SB201GR	SCB/6/PT/GR	25	162
SB203	SCB/6/PO/2	40	182
SB204	SCB/6/PO/4	20	182
SB205	SCB/6/CPM	25	182
SB210	SCB.6/DD	80	118
SB210GR	SCB.6/DD/GR	80	118
SB220	SCB.6/CD	80	118
SB220GR	SCB.6/CD/GR	80	118
SB300	SCB.4	75	116
SB300GR	SCB.4/GR	75	116
SB301	SCB/4/PT	25	162
SB301GR	SCB/4/PT/GR	25	162
SB303	SCB/4/PO/2	40	182
SB304	SCB/4/PO/4	20	182
SB305	SCB/4/CPM	25	182
SB400	SCB.10	80	119
SB400GR	SCB.10/GR	80	119
SB401	SCB/10/PT	25	162
SB401GR	SCB/10/P/GR	25	162
SB410	SCB.10/DD	80	119
SB410GR	SCB.10/DD/GR	80	119
SB420	SCB.10/CD	80	119
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SC105	SCX/CPM	40	182
SF510	CIL/115-230	10	183
SF518	CIL/12-48	10	183
SF601	SFO/PT (Ex)i	25	162
SF701	SFR/PT	25	162
SF801	SFR/PT (Ex)i	25	162
SF850	SFR.4 (Ex)i	70	105
SF850	SFR.4 (Ex)i	70	114
SF900	SFR.4	70	105
SF900	SFR.4	70	114
SF900	SFR.4	70	120
SF900GR	SFR.4/GR	70	105
SF900GR	SFR.4/GR	70	114
SF900GR	SFR.4/GR	70	120
SF901	SFR.4/D1A	70	120
SF901GR	SFR.4/D1A/GR	70	120
SF903	SFR.4/D3A	70	120
SF903GR	SFR.4/D3A/GR	70	120
SF910	SFR.4/VS	50	107
SF910	SFR.4/VS	50	114
SF910GR	SFR.4/VS/GR	50	107
SF910GR	SFR.4/VS/GR	50	114
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SF948	SFR.4/C48	70	111
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SH004S	SH2.1	1500	201
SH004SP	SH004SP	500	201
SMARTPRINTPLUS	SMARTPRINTPLUS	1	196
SMARTROLL	SMARTROLL	1	197
SN004SP	SNZ/4/SP	60	201
SN008	SNZ/4/00	60	201
SR300	SFR.6	50	106
SR300	SFR.6	50	115
SR300GR	SFR.6/GR	50	106
SR300GR	SFR.6/GR	50	115
SR301	SFR.6/PT	25	162
SR400	SFR.6 (Ex)i	50	106
SR400	SFR.6 (Ex)i	50	115
SR401	SFR.6/PT(Ex)i	25	162
SR500	SFR.6/M	50	106
SR500	SFR.6/M	50	115
SR500GR	SFR.6/M/GR	50	106
SR500GR	SFR.6/M/GR	50	115
SR600	SFR.6/M (Ex)i	50	106
T			
SR600	SFR.6/M (Ex)i	50	115
TC500	TC/PO	125	136
TC500GR	TC/PO/GR	125	136
TC510	TC/PO (Ex)i	125	136
TE110	TE.6/D	50	96
TE210	TE.16/D	30	97
TE310	TE.50/D	15	97
TE400	TED.4	65	95
TE500	TE.10/D	35	97
TH02	TH/2	50	188
TH03	TH/3	50	188
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TL101	TLS/PT	25	162
TL200	TLD.2	125	104
TL200GR	TLD.2/GR	125	104
TL201	TLD/PT	25	162
TL201GR	TLS/PT/GR	25	162
TL300	TLD.2 (Ex)i	125	104
TL301	TLD/PT (Ex)i	25	162
TL400	TLE.2	200	104
TL400GR	TLE.2/GR	200	104
TL500	TDE.2	125	104
TL500GR	TDE.2/GR	125	104
TO110	TE.6/O	45	95
TO120	TEC.6/O	45	70
TO210	TE.16/O	30	96
TO220	TEC.16/O	30	70
TO310	TE.50/O	15	96
TO320	TEC.35/O	15	71

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TO430	TEO.4	50	94
TO431	TEO.4/PT	25	162
TO500	TE.10/O	35	95
TO510	TEC.10/O	35	70
TO810	TEC.70/O	25	71
TO901	TEO.2/PT	50	162
TO910	TEO.2	75	94
TP100	TPL.4	40	139
TP200	TPL.4/PS	40	140
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TQM04	TQM/04	10	187
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Z121119	ACI121119	100	169
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ACI121317	Z121317	10	167
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CBD.4	CB240	100	75
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EFD.2/CI/GR	EFD210GR	30	18
EFD.2/E/GR	EFD220GR	30	18
EFD.2/GR	EFD200GR	130	18
EFD.2/PT/BL	EFD201BL	25	162
EFD.2/PT/GR	EFD201GR	25	162
EFD.4/BL	EFD400BL	100	19
EFD.4/CI/BL	EFD410BL	40	19
EFD.4/CI/GR	EFD410GR	40	19
EFD.4/E/GR	EFD420GR	40	19
EFD.4/GR	EFD400GR	100	19
EFD.4/PT/BL	EFD401BL	25	162
EFD.4/PT/GR	EFD401GR	25	162
EFDE.1	EFDE100	40	31
EFDE.2	EFDE200	30	31
EFDE.4	EFDE400	40	31
EFDS.2/1S/GR	EFDS210GR	45	24
EFDS.2/GR	EFDS200GR	45	24
EFDS.2/P/GR	EFDS220GR	45	20
EFDS.2/PT/GR	EFDS201GR	25	162
EFF.4/BL	EFF400BL	35	25
EFF.4/C230/GR	EFF423GR	35	25
EFF.4/C48/GR	EFF448GR	35	25
EFF.4/GR	EFF400GR	35	25
EFS.2/BL	EFS200BL	75	23
EFS.2/GR	EFS200GR	75	23
EFS.4/BL	EFS400BL	70	23
EFS.4/GR	EFS400GR	70	23
EFT.2/BL	EFT200BL	100	21
EFT.2/CI/BL	EFT210BL	35	21
EFT.2/CI/GR	EFT210GR	35	21

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EFT.2/E/GR	EFT220GR	35	21
EFT.2/GR	EFT200GR	100	21
EFT.2/PT/BL	EFT201BL	25	162
EFT.2/PT/GR	EFT201GR	25	162
EFT.2/S/GR	EFT250GR	100	22
EFT.2/S/PT/GR	EFT251GR	25	162
EFTE.2	EFTE200	35	32
F5/1 A	FN006ST	100	183
F5/1.6 A	FN007ST	100	183
F5/10 A	FN015ST	100	183
F5/100 mA	FN001ST	100	183
F5/12 A	FN016ST	100	183
F5/2 A	FN008ST	100	183
F5/2.5 A	FN009ST	100	183
F5/200 mA	FN002ST	100	183
F5/3.15 A	FN010ST	100	183
F5/315 mA	FN003ST	100	183
F5/4 A	FN011ST	100	183
F5/5 A	FN012ST	100	183
F5/500 mA	FN004ST	100	183
F5/6.3 A	FN013ST	100	183
F5/630 mA	FN005ST	100	183
F5/8 A	FN014ST	100	183
FDP.2	FD100	70	132
FDP.2/GR	FD100GR	70	132
FDP/PT	FD101	25	162
FDP/PT/GR	FD101GR	25	162
FFS.4	FF100	120	102
FFS.4/GR	FF100GR	120	102
FFS/PT	FF101	25	162
FFS/PT/GR	FF101GR	25	162
FJ402	FJ402	80	157
FJ403	FJ403	60	157
FJ405	FJ405	40	157
FL201	FL201	100	183
FL202	FL202	100	183
FPC.10	FP100	70	110
FPC.10	FP100	70	116
FPL.10/C	FP300	70	110
FPL.10/C230	FP923	70	111
FPL.10/C48	FP948	70	111
FPL.10/L	FP200	70	110
FVS.4	FV100	120	102
FVS.4/GR	FV100GR	120	102
FVS/PT	FV101	25	162
FVS/PT/GR	FV101GR	25	162
FVS/VCE	FV108	25	182
FVS/VCI	FV107	25	182

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GPA.150	GA200	8	68
GPA.150/FIX	GF200	8	68
GPA.150/FX/GR	GF200GR	8	68
GPA.150/GR	GA200GR	8	68
GPA.240	GA300	4	69
GPA.240/FIX	GF300	4	69
GPA.240/FIX/GR	GF300GR	4	69
GPA.240/GR	GA300GR	4	69
GPA.70	GA400	25	66
GPA.70 (Ex)i	GA410	25	66
GPA.70/FIX	GF400	25	66
GPA.70/FIX/GR	GF400GR	25	66
GPA.70/GR	GA400GR	25	66
GPA.95	GA100	10	67
GPA.95 (Ex)i	GA110	10	67
GPA.95/FIX	GF100	10	67
GPA.95/FIX/GR	GF100GR	10	67
GPA.95/GR	GA100GR	10	67
GPM.150/BB	GP400	6	80
GPM.150/BB/FIX	GP410	6	80
GPM.150/BB/FIX/GR	GP410GR	6	80
GPM.150/BB/GR	GP400GR	6	80
GPM.150/BC	GP500	6	83
GPM.150/BC/FIX	GP510	4	83
GPM.150/BC/FIX/GR	GP510GR	4	83
GPM.150/BC/GR	GP500GR	6	83
GPM.150/C/BB	GP425	6	88
GPM.150/C/BB/FIX	GP435	6	89
GPM.150/CC	GP600	6	86
GPM.150/CC/FIX	GP610	6	86
GPM.150/CC/FIX/GR	GP610GR	6	86
GPM.150/CC/GR	GP600GR	6	86
GPM.150/O/BB	GP420	6	88
GPM.150/O/BB/FIX	GP430	6	89
GPM.240/BB	GP700	4	81
GPM.240/BB/FIX	GP710	4	81
GPM.240/BB/FIX/GR	GP710GR	4	81
GPM.240/BB/GR	GP700GR	4	81
GPM.240/BC	GP800	4	84
GPM.240/BC/FIX	GP810	4	84
GPM.240/BC/FIX/GR	GP810GR	4	84
GPM.240/BC/GR	GP800GR	4	84
GPM.240/C/BB	GP725	4	89
GPM.240/C/BB/FIX	GP735	4	89
GPM.240/CC	GP900	4	87
GPM.240/CC/FIX	GP910	4	87
GPM.240/CC/FIX/GR	GP910GR	4	87
GPM.240/CC/GR	GP900GR	4	87
GPM.240/O/BB	GP720	4	89
GPM.240/O/BB/FIX	GP730	4	89
GPM.95/BB	GP100	10	79
GPM.95/BB/FIX	GP110	10	79
GPM.95/BB/FIX/GR	GP110GR	10	79
GPM.95/BB/GR	GP100GR	10	79
GPM.95/BC	GP200	10	82
GPM.95/BC/FIX	GP210	10	82
GPM.95/BC/FIX/GR	GP210GR	10	82
GPM.95/BC/GR	GP200GR	10	82
GPM.95/C/BB	GP125	10	88
GPM.95/C/BB/FIX	GP135	10	88
GPM.95/CC	GP300	10	85
GPM.95/CC/FIX	GP310	10	85
GPM.95/CC/FIX/GR	GP310GR	10	85
GPM.95/CC/GR	GP300GR	10	85
GPM.95/O/BB	GP120	10	88
GPM.95/O/BB/FIX	GP130	10	88

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HCD.1 (Ex)i	HC210	40	55
HCD.1/GR	HC200GR	40	55
HCD.1/PT/GR	HC201GR	25	162
HDE.2/GR	HL500GR	50	50
HFR.4/GR	HF210GR	70	54
HFR.4/M/GR	HF310GR	100	54
HFR.4/PT/GR	HF211GR	25	162
HLD.2 (Ex)i	HD510	50	50
HLD.2/CI/GR	HL210GR	50	50
HLD.2/GR	HL200GR	50	50
HLD.2/PT/GR	HL201GR	25	162
HMD.1 (Ex)i	HD300	50	45
HMD.1/CI/GR	HD120GR	50	45
HMD.1/GR	HD200GR	50	45
HMD.1/PT(Ex)i	HD301	25	162
HMD.1/PT/GR	HD201GR	25	162
HMD.1/X/GR	HD130GR	50	48
HMD.2/3DC/GR	HD430GR	40	49
HMD.2/GR	HD100GR	60	47
HMD.2N (Ex)i	HD410	40	46
HMD.2N/CI/GR	HD450GR	40	46
HMD.2N/DD/GR	HD420GR	40	49
HMD.2N/GR	HD400GR	40	46
HMD.2N/X/GR	HD440GR	40	48
HMD.2N/X1/GR	HD441GR	40	48
HMD/PT/GR	HD101GR	25	162
HMF/PT/GR	HF111GR	25	162
HMFA.2/GR	HF300GR	80	53
HMM.1 (Ex)i	HI400	100	35
HMM.1/1+2 (Ex)i	HI410	80	35
HMM.1/1+2/GR	HM410GR	80	35
HMM.1/2+2 (Ex)i	HI420	60	35
HMM.1/2+2/GR	HM420GR	60	35
HMM.1/GR	HM400GR	100	35
HMM.10 (Ex)i	HI330	30	39
HMM.10/GR	HM330GR	30	39
HMM.16 (Ex)i	HI340	30	39
HMM.16/GR	HM340GR	30	39
HMM.2 (Ex)i	HI500	80	36
HMM.2/1+2 (Ex)i	HI510	80	36
HMM.2/1+2/GR	HM510GR	80	36
HMM.2/1+2/S/GR	HMS20GR	80	37
HMM.2/2+2 (Ex)i	HI520	60	36
HMM.2/2+2/A/GR	HM170GR	60	37
HMM.2/2+2/GR	HM520GR	60	36
HMM.2/2+2/S/GR	HMS10GR	60	37
HMM.2/GR	HM500GR	80	36
HMM.4 (Ex)i	HI250	60	38
HMM.4/1+2 (Ex)i	HI210	40	38
HMM.4/1+2/GR	HM210GR	40	38
HMM.4/2+2 (Ex)i	HI220	20	38
HMM.4/2+2/GR	HM220GR	40	38
HMM.4/GR	HM250GR	60	38
HMM.6 (Ex)i	HI320	30	39
HMM.6/GR	HM320GR	30	39
HMR.16/D/GR	HM360GR	30	40
HMR.16/GR	HM350GR	15	40
HMS.2/GR	HS200GR	80	52
HMT.1/1+2/PT	HM411GR	25	162
HMT.1/1+2/PT(Ex)i	HI411	25	162
HMT.1/2+2/PT	HM421GR	25	162
HMT.1/2+2/PT(Ex)i	HI421	25	162
HMT.1/PT (Ex)i	HI401	25	162
HMT.1/PT/GR	HM401GR	25	162
HMT.2/1+2/PT(Ex)i	HI511	25	162
HMT.2/1+2/PT/GR	HM511GR	25	162
HMT.2/2+2/PT(Ex)i	HI521	25	162
HMT.2/2+2/PT/GR	HM521GR	25	162
HMT.2/PT (Ex)i	HI501	25	162
HMT.2/PT/GR	HM501GR	25	162
HMT.4/PT (Ex)i	HI251	25	162
HMT.4/PT/GR	HM251GR	25	162
HMT.6/PT (Ex)i	HI321	25	162
HMT.6/PT/GR	HM321GR	25	162
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HPP.2/GR	HP170GR	100	58
HPV/PT/GR	HV111GR	25	162
HSCB.4/GR	HB100GR	90	52
HSCB.4/PT/GR	HB101GR	25	162
HSCB.6/CPM	HB205	40	182
HSCB.6/GR	HB200GR	60	52
HSCB.6/PT/GR	HB201GR	25	162
HSCB/6/PO/2	HB203	40	182
HSCB/6/PO/4	HB204	20	182
HTE.1	HT400	80	41
HTE.1/1+2	HT410	80	41
HTE.1/2+2	HT420	60	41
HTE.10	HT330	30	44
HTE.16	HT340	30	44
HTE.2	HT500	80	42
HTE.2/1+2	HT510	80	42
HTE.2/2+2	HT520	60	42
HTE.4	HT250	60	43
HTE.4/1+2	HT260	40	43
HTE.4/2+2	HT270	20	43
HTE.6	HT320	30	44
HTTE.2	HLT500	50	51
HVPC.2 (Ex)i	HVP305	120	56
HVPC.2/GR	HVP300GR	120	56
HVTE.2	HVT500	80	57
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KITLSN/12-24	KIT1224	1	183
KITLSN/70-380	KIT70380	1	183
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MBL.120/10	MB300	10	93
MBL.150/12	MB400	10	93
MBL.50/6	MB100	10	92
MBL.95/8	MB200	10	92
MPFA.4	MF100	100	109
MPFA.4/GR	MF100GR	100	109
MPS.4	MP950	100	113
MPS.4/GR	MP950GR	100	113
MPS.4/PT	MP901	25	162
MPS.4/PT(Ex)i	MP902	25	162
MPS.4/PT/GR	MP901GR	25	162
MPS.4 (Ex)i	MP960	100	113
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MS/8X10/T	MZ300T	1	144
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NU0800SP	NU0800SP	500	201
NU08510	NU08510	500	199
NU0851001	NU0851001	500	199
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NU0851010	NU0851010	500	199

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NU0851012	NU0851012	500	199
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NU0851013	NU0851013	500	199
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NU0851014	NU0851014	500	199
NU0851014V	NU0851014V	500	199
NU0851015	NU0851015	500	199
NU0851015V	NU0851015V	500	199
NU0851016	NU0851016	500	199
NU0851016V	NU0851016V	500	199
NU0851017	NU0851017	500	199
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NU0851018	NU0851018	500	199
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NU0851020	NU0851020	500	199
NU0851020V	NU0851020V	500	199
NU085102A	NU085102A	500	199
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NU0851051	NU0851051	500	199
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NU08510L1	NU08510L1	500	199
NU08510L1V	NU08510L1V	500	199
NU08510L2	NU08510L2	500	199
NU08510L2V	NU08510L2V	500	199
NU08510L3	NU08510L3	500	199
NU08510L3V	NU08510L3V	500	199
NU08510NI	NU08510NI	500	199
NU08510NIV	NU08510NIV	500	199
NU08510PE	NU08510PE	500	199
NU08510PEV	NU08510PEV	500	199
NU08510R1	NU08510R1	500	199
NU08510R1V	NU08510R1V	500	199
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NU08510S2V	NU08510S2V	500	199
NU08510S3	NU08510S3	500	199
NU08510S3V	NU08510S3V	500	199
NU08510U1	NU08510U1	500	199
NU08510U1V	NU08510U1V	500	199
NU08510U2	NU08510U2	500	199
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NU08510V	NU08510V	500	199

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NU08510V2	NU08510V2	500	199
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NU08510W1	NU08510W1	500	199
NU08510W1V	NU08510W1V	500	199
NU08510W2	NU08510W2	500	199
NU08510W2V	NU08510W2V	500	199
NU08511	NU08511	500	199
NU085110	NU085110	500	199
NU0851101	NU0851101	500	199
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NU085110V	NU085110V	500	199
NU085111	NU085111	500	199
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NU085112	NU085112	500	199
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NU0851151	NU0851151	500	199
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NU085115V	NU085115V	500	199
NU08511V	NU08511V	500	199
NU08512	NU08512	500	199
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NU0851251	NU0851251	500	199
NU0851251V	NU0851251V	500	199
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NU0851451	NU0851451	500	199
NU0851451V	NU0851451V	500	199
NU08514V	NU08514V	500	199
NU08515	NU08515	500	200
NU0851501	NU0851501	500	199
NU0851501V	NU0851501V	500	199
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PR/2/AS	PR010	100	165
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PR/3/AC	PR003	40	165
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PR/3/AS	PR005	40	165
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PSD/K	PD011	50	180
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PTC/3/03	PTC0303	25	171
PTC/3/05	PTC0305	25	171
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