

# Spring clamp and insulation displacement terminal blocks - Polyamide insulated

## Feed-through terminal blocks

HMM.1 series . . . . .	page 72
HMM.2 series . . . . .	page 73
HMM.2/1+2/S . . . . .	page 74
HMM.2/2+2/A . . . . .	page 74
HMM.2/2+2/S . . . . .	page 74
HMM.4 . . . . .	page 75
HMM.6 - HMM.10 - HMM.16 . . . . .	page 76
HMR.16 voltage distribution terminal block . . . . .	page 77

## Earth terminal blocks

HTE.1series . . . . .	page 78
HTE.2 series . . . . .	page 79
HTE.4 series . . . . .	page 80
HTE.6 - HTE.10 - HTE.16 . . . . .	page 81

## Two and three level terminal blocks

HMD.1 - HMD.1/CI . . . . .	page 82
HMD.2N - HMD.2N/CI . . . . .	page 82
HMD.2 . . . . .	page 82
HMD.1/X (with electronic components) . . . . .	page 83
HMD.2N/X (with electronic components) . . . . .	page 83
HMD.2N/DD - HMD.2N/3DC (with diodes) . . . . .	page 83
HMD.2N/X1 . . . . .	page 84
HLD.2 . . . . .	page 85
HDE.2 . . . . .	page 85
HTTE.2 . . . . .	page 85

## Disconnect terminal blocks

HMS.2 . . . . .	page 86
HSCB.4 (slide link for measuring circuits) . . . . .	page 86
HSCB.6 (slide link for measuring circuits) . . . . .	page 86

## Fuse-holder terminal blocks

HMFA.2 (for blade type fuses) . . . . .	page 87
HMF.4 - CPF/5 . . . . .	page 88
HMF.4/L... (with LED) . . . . .	page 88
HFR.4/M - HFR.4 . . . . .	page 89

## Terminal blocks for connectors

HCD.1 . . . . .	page 90
HVPC.2 - CHP.2 - CHP.2D . . . . .	page 91
HVTE.2 - CHTE.2 - CHTE.2D . . . . .	page 92

## Mini terminal blocks

HPP.2 . . . . .	page 93
HP.2 . . . . .	page 94
HPC.2 . . . . .	page 94

## Insulation displacement terminal blocks

NCS - NCV . . . . .	pages 95-96
---------------------	-------------

# Spring clamp terminal blocks

- available in grey RAL 7042 colour only



For high harness volumes, CABUR offers its own range of spring-clamp terminal blocks suitable for cables from 0.2 to 10 mm<sup>2</sup> and reduced current intensity values.

In order to protect the clamping system, a special stop is provided in the insulating body; this has the function of ensuring the spring does not go over its elastic range, in case of handling carried out by unskilled workforce.

The appropriate sizing of the wire insertion hole, fully in compliance with the requirements given by IEC 60947-1 Standard concerning the gauge, guarantees the insertion of any type of conductor having the rated cross-section, also with a ferrule. The resulting connection, with respect to the technology adopted, is of the maximum reliability and safety under both the aspects of the quality of the materials and for the particular conformation of the components; in this way the damaging of unprepared flexible conductors is avoided.

The insertion of the wire is vertical; this means further time and costs savings, especially where space is limited, but where guaranteed high-density connections are required.

For the commoning of different elements, a practical and safe cross-connection system is available.

The terminals with rated cross sections between 1.5 mm and 4 mm<sup>2</sup> can be connected one with another in the most various ways thanks to our exclusive "Easy Bridge" (PTC) connection system, with quick coupling, which combines efficiency, rapidity and flexibility and ensures at the same time an extraordinary economic result; these characteristics, **together with an IPXXB intrinsic installation, without the need of further insulation protections** (for cables, terminals and cross-connections), guarantee a connectivity which is superior to that offered by competitors.



CNU/8

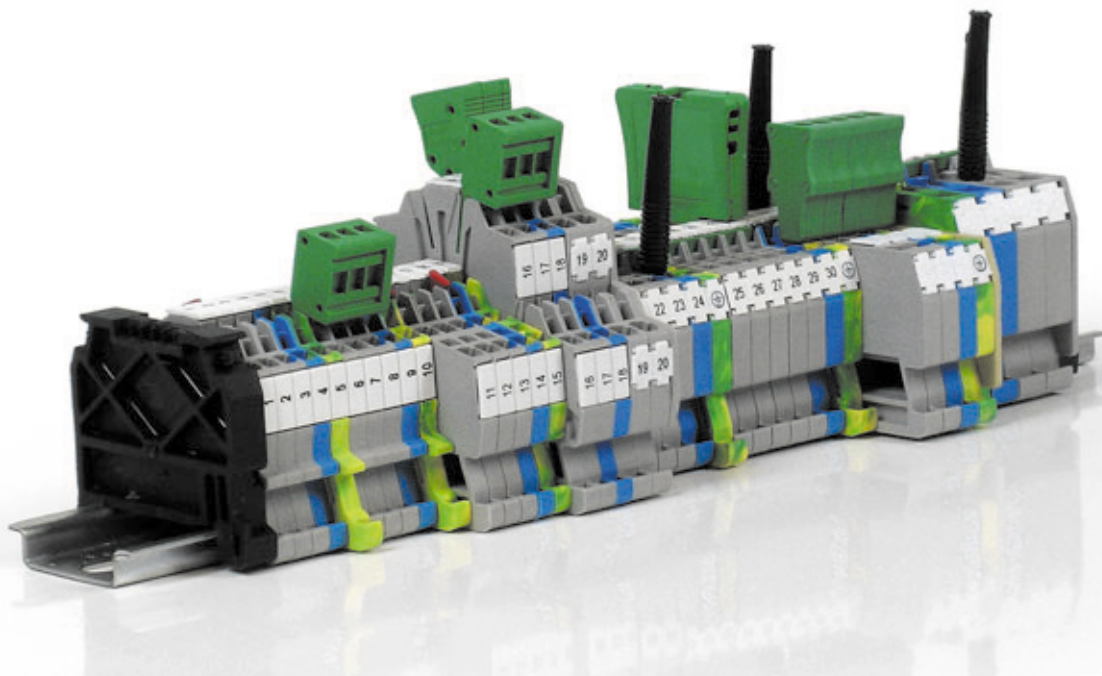


SHZ

## Marking systems

Our particular marking system has to be highlighted. The same **SHZ** numbering strip, in fact, can be inserted on both sides of the terminal block or on the appropriate housings provided in the upper part of the terminal block. This means easy identification of every terminal block in the electrical panel.

It is possible also to perform the marking also using **CNU/8** tags.



# HMM Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715

Std., "TH/35" type

- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	630		320	630	630

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

### APPROVALS

HMM.1/GR	HMM.1/1+2/GR
Cat. No. HM400GR	Cat. No. HM410GR
HMM.1 (Ex)i	HMM.1/1+2 (Ex)i
Cat. No. HI400	Cat. No. HI410
feed-through	feed-through, 1 input and 2 outputs
1,5	1,5
0,2 ÷ 2,5	0,2 ÷ 2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
1,5 - WP15/14	1,5 - WP15/14
500 V / 17,5 A / B2	500 V / 17,5 A / B2
600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG
8 KV / 3	8 KV / 3
10	10
43 / 45 / 4,2	43 / 56 / 4,2
51 / 45 / 4,2	51 / 56 / 4,2
-	-

HMM.1/2+2/GR	HMM.1/2+2 (Ex)i
Cat. No. HM420GR	Cat. No. HI420
feed-through, 2 inputs and 2 outputs	feed-through, 2 inputs and 2 outputs
1,5	1,5
0,2 ÷ 2,5	0,2 ÷ 2,5
0,2 ÷ 2,5	0,2 ÷ 2,5
1,5 - WP15/14	1,5 - WP15/14
500 V / 17,5 A / B2	500 V / 17,5 A / B2
600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG
8 KV / 3	8 KV / 3
10	10
43 / 65 / 4,2	43 / 65 / 4,2
51 / 65 / 4,2	51 / 65 / 4,2
-	-



### ACCESSORIES

End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.1/PT/GR	HM401GR
HMT.1/PT (Ex)i	HI401
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFH/1	DH01..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
SHZ/1	SH004
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.1/1+2/PT/GR	HM411GR
HMT.1/1+2/PT (Ex)i	HI411
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFH/2	DH02..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
SHZ/1	SH004
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.1/2+2/PT/GR	HM421GR
HMT.1/2+2/PT (Ex)i	HI421
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
PTC/SP	PTC0990
-	
DFH/3	DH03..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
SHZ/1	SH004
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

# HMM Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
630	630		320	630	630

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMM.2/GR	Cat. No. HM500GR
HMM.2 (Ex)i	Cat. No. HI500
feed-through	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
height / width / thickness	41 / 50 / 5,2
height / width / thickness	49 / 50 / 5,2
height / width / thickness	-

HMM.2/1+2/GR	Cat. No. HM510GR
HMM.2/1+2 (Ex)i	Cat. No. HI510
feed-through, 1 input and 2 outputs	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
height / width / thickness	41 / 66 / 5,2
height / width / thickness	49 / 66 / 5,2
height / width / thickness	-

HMM.2/2+2/GR	Cat. No. HM520GR
HMM.2/2+2 (Ex)i	Cat. No. HI520
feed-through, 2 inputs and 2 outputs	2,5
flexible	0,2 ÷ 4
rigid	0,2 ÷ 4
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge	800 V / 24 A / A3
rated voltage / rated current / AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length	13
height / width / thickness	41 / 82 / 5,2
height / width / thickness	49 / 82 / 5,2
height / width / thickness	-

### APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.2/PT/GR	HM501GR
HMT.2/PT (Ex)i	HI501
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
HMT.2/1+2/PT (Ex)i	HI511
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.2/2+2/PT/GR	HM521GR
HMT.2/2+2/PT (Ex)i	HI521
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/3	DH03..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

# HMM Series

## with polyamide insulating body

- UL94V-0
- disconnect by lever
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



The **/GR** tag indicates the grey colour version.

grey version	HMM.2/1+2/S/GR Cat. No. HMS20GR	HMM.2/2+2/A/GR Cat. No. HM170GR	HMM.2/2+2/S/GR Cat. No. HMS10GR
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect, 1 input and 2 outputs	disconnect (open), 2 inputs and 2 outputs	disconnect, 2 inputs and 2 outputs
rated cross-section (mm <sup>2</sup> )	2,5	2,5	2,5
connecting capacity			
flexible (mm <sup>2</sup> )	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm <sup>2</sup> )	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 16 A / A3	400 V / 16 A / A3	400 V / 16 A / A3
rated voltage / rated current / AWG UL	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	13	13	13
height / width / thickness  TH/35	48 / 66 / 5,2	37 / 82 / 5,2	48 / 82 / 5,2
height / width / thickness  TH/35	56 / 66 / 5,2	45 / 82 / 5,2	56 / 82 / 5,2
height / width / thickness  G32	-	-	-

### APPROVALS



ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey beige blue	HMT.2/1+2/PT/GR HM511GR	HMT.2/2+2/PT/GR HM521GR	HMT.2/2+2/PT/GR HM521GR	HMT.2/2+2/PT/GR HM521GR	HMT.2/2+2/PT/GR HM521GR
Permanent cross connection	-	-	-	-	-	-
Rated current carrying capacity of jumper (A)	-	-	-	-	-	-
Multiple common bar 250 mm	-	-	-	-	-	-
Shunting screw and sleeve	-	-	-	-	-	-
Coloured partition red, green, white	DFH/2 DH02..	DH02..	DFH/3 DH03..	DH03..	DFH/3 DH03..	DH03..
Cross connection barrier red	-	-	-	-	-	-
Test plug socket	-	-	-	-	-	-
Test plug	SDD/1 DD001	DD001	SDD/1 DD001	DD001	SDD/1 DD001	DD001
Modular test plug	SDH/5 DH005	DH005	SDH/5 DH005	DH005	SDH/5 DH005	DH005
End section for modular test plug	SH5/PT DH501	DH501	SH5/PT DH501	DH501	SH5/PT DH501	DH501
Numbering strip	CNU/8/51 NU0851	NU0851	CNU/8/51 NU0851	NU0851	CNU/8/51 NU0851	NU0851
Screwdriver for the activation of the spring	CCH/2,5-4 CCH02	CCH02	CCH/2,5-4 CCH02	CCH02	CCH/2,5-4 CCH02	CCH02
Warning plate on adjacent terminal blocks	-	-	-	-	-	-
Marking tag printed or blank	CNU/8/51 NU0851	NU0851	CNU/8/51 NU0851	NU0851	CNU/8/51 NU0851	NU0851
End bracket	BTU for PR/DIN and PR/3 BT005 BTO BT007 BT/3 for PR/3 only BT003	BT005 BT007 BT003	BTU for PR/DIN and PR/3 BT005 BTO BT007 BT/3 for PR/3 only BT003	BT005 BT007 BT003	BTU for PR/DIN and PR/3 BT005 BTO BT007 BT/3 for PR/3 only BT003	BT005 BT007 BT003
Mounting rail according to IEC 60715 Std.	PR/3/AC of steel PR003 PR/3/AS same with slots PR005	PR003 PR005	PR/3/AC of steel PR003 PR/3/AS same with slots PR005	PR003 PR005	PR/3/AC of steel PR003 PR/3/AS same with slots PR005	PR003 PR005

# HMM Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) version



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V)				
HMM.4	PTC/5	500	500	500	500	500

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm <sup>2</sup> )	
connecting capacity	
flexible (mm <sup>2</sup> )	
rigid (mm <sup>2</sup> )	
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMM.4/GR	HMM.4/1+2/GR	HMM.4/2+2/GR
Cat. No. HM250GR	Cat. No. HM210GR	Cat. No. HM220GR
HMM.4 (Ex)i	HMM.4/1+2 (Ex)i	HMM.4/2+2 (Ex)i
Cat. No. HI250	Cat. No. HI210	Cat. No. HI220
feed-through	feed-through 1 input and 2 outputs	feed-through 2 inputs and 2 outputs
4	4	4
0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	4 - WP40/16	4 - WP40/16
800 V / 32 A / A4	800 V / 32 A / A4	800 V / 32 A / A4
600 V / 30 A / 24-10 AWG	-	-
8 KV / 3	8 KV / 3	8 KV / 3
17	17	17
45 / 58 / 6,2	45 / 78 / 6,2	45 / 98 / 6,2
52 / 58 / 6,2	52 / 78 / 6,2	52 / 98 / 6,2
-	-	-

HMM.4/1+2/GR	HMM.4/2+2/GR
Cat. No. HM210GR	Cat. No. HM220GR
HMM.4/1+2 (Ex)i	HMM.4/2+2 (Ex)i
Cat. No. HI210	Cat. No. HI220
feed-through 1 input and 2 outputs	feed-through 2 inputs and 2 outputs
4	4
0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	4 - WP40/16
800 V / 32 A / A4	800 V / 32 A / A4
-	-
8 KV / 3	8 KV / 3
17	17
45 / 78 / 6,2	45 / 98 / 6,2
52 / 78 / 6,2	52 / 98 / 6,2
-	-

HMM.4/2+2/GR	HMM.4/2+2 (Ex)i
Cat. No. HM220GR	Cat. No. HI220
feed-through 2 inputs and 2 outputs	feed-through 2 inputs and 2 outputs
4	4
0,2 ÷ 6	0,2 ÷ 6
0,2 ÷ 6	0,2 ÷ 6
4 - WP40/16	4 - WP40/16
800 V / 32 A / A4	800 V / 32 A / A4
-	-
8 KV / 3	8 KV / 3
17	17
45 / 98 / 6,2	45 / 98 / 6,2
52 / 98 / 6,2	52 / 98 / 6,2
-	-

### APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.4/PT/GR	HM251GR
HMT.4/PT (Ex)i	HI251
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
CNU/8/61	NU0861
CCH/2,5-4	CCH02
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

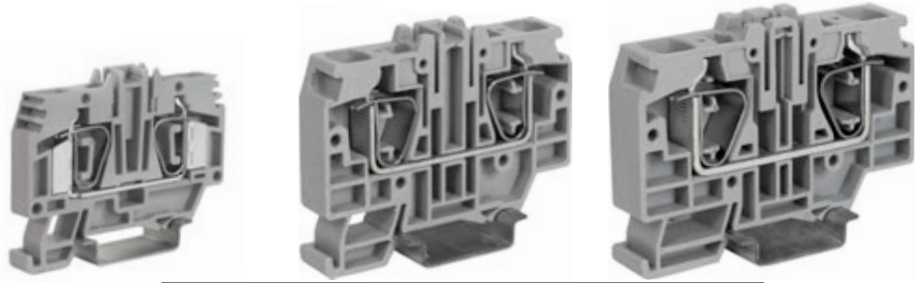
Type	Cat. No.
HMT.4/1+2/PT/GR	HM211GR
HMT.4/1+2/PT (Ex)i	HI211
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
CNU/8/61	NU0861
CCH/2,5-4	CCH02
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMT.4/2+2/PT/GR	HM221GR
HMT.4/2+2/PT (Ex)i	HI221
PTC/5/02 poles	PTC0502
PTC/5/03 poles	PTC0503
PTC/5/05 poles	PTC0505
PTC/5/10 poles	PTC0510
PTC/5/00 (40 poles)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
-	
SDD/1	DD001
SDH/6	DH006
SH6/PT	DH601
CNU/8/61	NU0861
CCH/2,5-4	CCH02
-	
CNU/8/61	NU0861
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

# HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) version



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

The /GR tag indicates the grey colour version.

Morsetto	Ponte	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1					
HMM.6	PTC/8	500	500		500	500	500
HMM.10 (HMM.16)	PTC/11 (/16)	1000	1000		800	1000	800

grey version	HMM.6/GR	HMM.10/GR	HMM.16/GR
	Cat. No. <b>HM320GR</b>	Cat. No. <b>HM330GR</b>	Cat. No. <b>HM340GR</b>
(Ex)i version	HMM.6 (Ex)i	HMM.10 (Ex)i	HMM.16 (Ex)i
	Cat. No. <b>HI320</b>	Cat. No. <b>HI330</b>	Cat. No. <b>HI340</b>
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm <sup>2</sup> )	6	10	16
connecting capacity			
flexible (mm <sup>2</sup> )	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm <sup>2</sup> )	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge	800 V / 41 A / A5	1000 V / 57 A / A6	1000 V / 76 A / A7
rated voltage / rated current / AWG	600 V / 41 A / 24-8 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	18	18	18
height / width / thickness	44 / 62 / 8,2	53 / 71 / 10	56 / 80 / 12
height / width / thickness	52 / 62 / 8,2	61 / 70 / 10	64 / 80 / 12
height / width / thickness	-	-	-

## APPROVALS



UL, cUL, ENEL Distribuzione pending



UL, cUL, ENEL Distribuzione pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey blue	<b>HMT.6/PT/GR</b>	HM321GR	<b>HMT.10/PT/GR</b>	HM331GR	<b>HMT.16/PT/GR</b>	HM341GR
Permanent cross connection (intrinsically IPXXB protected once mounted)		<b>HMT.6/PT (Ex)i</b>	HI321	<b>HMT.10/PT (Ex)i</b>	HI331	<b>HMT.16/PT (Ex)i</b>	HI341
		<b>PTC/8/02</b> poles	PTC0802	<b>PTC/11/02</b> poles	PTC1102	<b>PTC/16/02</b> poles	PTC1602
		<b>PTC/8/03</b> poles	PTC0803	<b>PTC/11/03</b> poles	PTC1103	<b>PTC/16/03</b> poles	PTC1603
		<b>PTC/8/05</b> poles	PTC0805	<b>PTC/11/05</b> poles	PTC1105	<b>PTC/16/05</b> poles	PTC1605
		<b>PTC/8/10</b> poles	PTC0810	<b>PTC/11/10</b> poles	PTC1110	<b>PTC/16/10</b> poles	PTC1610
		<b>PTC/8/00</b> (30 poles)	PTC0800	<b>PTC/11/00</b> (25 poles)	PTC1100	<b>PTC/16/00</b> (20 poles)	PTC1600
		<b>41</b>	-	<b>57</b>	-	<b>76</b>	-
Rated current carrying capacity of jumper (A)		<b>PTC/SP</b>	PTC0990	-	-	-	-
Cross-connection identification strip (100 mm)	green	-	-	-	-	-	-
Multiple common bar	250 mm	-	-	-	-	-	-
Shunting screw and sleeve		<b>DFH/1</b>	DH01..	<b>DFH/4</b>	DH04..	<b>DFH/4</b>	DH04..
Coloured partition	red, green, white	-	-	-	-	-	-
Cross connection barrier	red	-	-	-	-	-	-
Test plug socket		<b>SDD/1</b>	DD001	<b>SDD/1</b>	DD001	<b>SDD/1</b>	DD001
Test plug		-	-	-	-	-	-
Modular test plug		-	-	-	-	-	-
End section for modular test plug		<b>CNU/8/51</b>	NU0851	<b>SNZ/10</b>	SN..	-	-
Numbering strip		<b>CCH/2,5-4</b>	CCH02	<b>CCH/4</b>	CCH02	<b>CCH/4</b>	CCH02
Screwdriver for the activation of the spring		-	-	-	-	-	-
Warning plate	on adjacent terminal blocks	<b>CNU/8/51</b>	NU0851	<b>CNU/8/51</b>	NU0851	<b>CNU/8/51</b>	NU0851
Marking tag	printed or blank	-	-	-	-	-	-
End bracket		<b>BTU</b> for PR/DIN and PR/3	BT005	<b>BTU</b> for PR/DIN and PR/3	BT005	<b>BTU</b> for PR/DIN and PR/3	BT005
		<b>BTO</b>	BT007	<b>BTO</b>	BT007	<b>BTO</b>	BT007
		<b>BT/3</b> for PR/3 only	BT003	<b>BT/3</b> for PR/3 only	BT003	<b>BT/3</b> for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-	-	-	-	-	-
		<b>PR/3/AC</b> of steel	PR003	<b>PR/3/AC</b> of steel	PR003	<b>PR/3/AC</b> of steel	PR003
		<b>PR/3/AS</b> same with slots	PR005	<b>PR/3/AS</b> same with slots	PR005	<b>PR/3/AS</b> same with slots	PR005

# HMM Series

## with polyamide insulating body

- UL94V-0
- 16 mm<sup>2</sup>
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 colour
- can be connected with 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

(\*) value referred to the terminal and not to the potential distributor

The /GR tag indicates the grey colour version.

single power supply version	
double supply version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

## APPROVALS



UL, cUL, ENEL Distribuzione pending

## ACCESSORIES

End sections	grey
Permanent cross connection	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
see table	
see table	
see table	
-	
-	
-	
<b>DFH/4</b>	DH04..
-	
<b>SDD/1</b>	DD001
-	
<b>CCH/4</b>	CCH02
-	
<b>CNU/8/51</b>	NU0851
-	
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005



Terminal assembly with double feeding distribution



## cross-connection currents according to UL approval

Colonna A	Colonna B	Colonna C
Morsello da coll. di rp.	Plastrina terminale da utilizzare	Panale di parallelo utilizzabili
Sigla	Sigla	Codice
HMM.2		PTC/03/03 poli
HMM.2/1+2		PTC/03/05 poli
HMM.2/2+2	HMR.16-2/PT/GR	PTC/03/10 poli
HMS.2	HM352GR	PTC/03/00 (47 poli)
HMFA.2		

Colonna A	Colonna B	Colonna C
Morsello da coll. di rp.	Plastrina terminale da utilizzare	Panale di parallelo utilizzabili
Sigla	Sigla	Codice
HMM.4		PTC/05/03 poli
HMM.4/1+2		PTC/05/05 poli
HMM.4/2+2	HMR.16-4/PT/GR	PTC/05/10 poli
	HM354GR	PTC/05/00 (40 poli)

Colonna A	Colonna B	Colonna C
Morsello da coll. di rp.	Plastrina terminale da utilizzare	Panale di parallelo utilizzabili
Sigla	Sigla	Codice
HMM.6		PTC/08/03 poli
		PTC/08/05 poli
		PTC/08/10 poli
		PTC/08/00 (30 poli)

### ANNOTAZIONE:

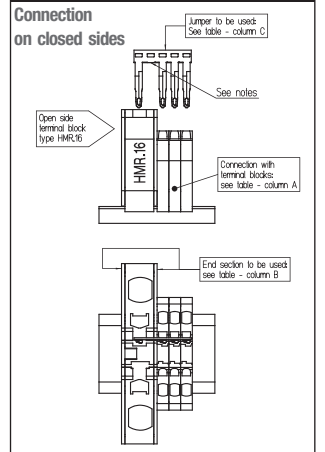
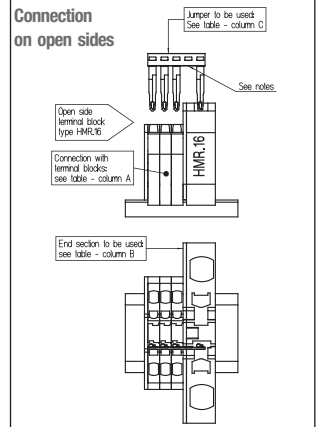
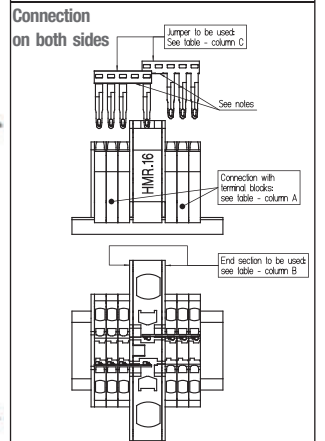
Il N° di poli da utilizzare sarà uguale al numero di morselli da collegare compreso il ripartitore + 1

Per permettere il collegamento di morsello ripartitore eliminare sempre il secondo pin dalla striscia del ponte PTC.



Terminal block connected to supply terminal	End sections		Permanent cross connection (**)		
	Type	Cat. No.	Type	Cat. No.	Total capacity
<b>HMM.2/GR</b>	HMR.16-2/PT/GR	HM352GR	PTC/03/03 poles	PTC0303	24 A
<b>HMM.2/1+2/GR</b>			PTC/03/05 poles	PTC0305	
<b>HMM.2/2+2/GR</b>			PTC/03/10 poles	PTC0310	
<b>HMS.2/GR</b>			PTC/03/00 (47 poles)	PTC0300	
<b>HMFA.2/GR</b>					
<b>HMM.4/GR</b>	HMR.16-4/PT/GR	HM354GR	PTC/05/03 poles	PTC0503	32 A
<b>HMM.4/1+2/GR</b>			PTC/05/05 poles	PTC0505	
<b>HMM.4/2+2/GR</b>			PTC/05/10 poles	PTC0510	
			PTC/05/00 (40 poles)	PTC0500	
<b>HMM.6/GR</b>	HMR.16-6/PT/GR	HM356GR	PTC/08/03 poles	PTC0803	41 A
			PTC/08/05 poles	PTC0805	
			PTC/08/10 poles	PTC0810	
			PTC/08/00 (30 poles)	PTC0800	

## Connection scheme - distribution terminal blocs HMR.16/GR and HMR.16/D/GR



(\*\*) In order to enable the connection to the supply terminal the second pin must be always removed from the strip of the PTC jumper.

The number of poles of the PTC jumper must be equal to the number of terminal blocks to be cross-connected plus 1



# HTE Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	HTE.1 Cat. No. HT400	HTE.1/1+2 Cat. No. HT410	HTE.1/2+2 Cat. No. HT420																																																																																																																																																												
<b>TECHNICAL CHARACTERISTICS</b>																																																																																																																																																															
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs																																																																																																																																																												
rated cross-section (mm <sup>2</sup> )	1,5	1,5	1,5																																																																																																																																																												
connecting capacity																																																																																																																																																															
flexible (mm <sup>2</sup> )	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5																																																																																																																																																												
rigid (mm <sup>2</sup> )	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5																																																																																																																																																												
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	1,5 - WP15/14	1,5 - WP15/14	1,5 - WP15/14																																																																																																																																																												
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / B2	- / - / B2	- / - / B2																																																																																																																																																												
rated voltage / rated current / AWG	- / - / 26-14 AWG	- / - / 26-14 AWG	- / - / 26-14 AWG																																																																																																																																																												
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3																																																																																																																																																												
insulation stripping length (mm)	10	10	10																																																																																																																																																												
height / width / thickness	43 / 50 / 4,2	43 / 61 / 4,2	43 / 65 / 4,2																																																																																																																																																												
height / width / thickness	51 / 50 / 4,2	51 / 61 / 4,2	51 / 65 / 4,2																																																																																																																																																												
height / width / thickness	-	-	-																																																																																																																																																												
<b>APPROVALS</b>																																																																																																																																																															
<b>ACCESSORIES</b>																																																																																																																																																															
End sections	grey blue																																																																																																																																																														
Permanent cross connection																																																																																																																																																															
Rated current carrying capacity of jumper (A)																																																																																																																																																															
Cross-connection identification strip (100 mm)	green																																																																																																																																																														
Multiple common bar	250 mm																																																																																																																																																														
Shunting screw and sleeve																																																																																																																																																															
Coloured partition	red, green, white																																																																																																																																																														
Cross connection barrier	red																																																																																																																																																														
Test plug socket																																																																																																																																																															
Test plug																																																																																																																																																															
Modular test plug																																																																																																																																																															
End section for modular test plug																																																																																																																																																															
Numbering strip																																																																																																																																																															
Screwdriver for the activation of the spring																																																																																																																																																															
Warning plate	on adjacent terminal blocks																																																																																																																																																														
Marking tag	printed or blank																																																																																																																																																														
End bracket																																																																																																																																																															
Mounting rail according to IEC 60715 Std.																																																																																																																																																															
	<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> </tr> </thead> <tbody> <tr> <td>HMT.1/PT/GR</td> <td>HM401GR</td> </tr> <tr> <td>PTC/1/02 poles</td> <td>PTC0102</td> </tr> <tr> <td>PTC/1/03 poles</td> <td>PTC0103</td> </tr> <tr> <td>PTC/1/05 poles</td> <td>PTC0105</td> </tr> <tr> <td>PTC/1/10 poles</td> <td>PTC0110</td> </tr> <tr> <td>PTC/1/00 (50 poles)</td> <td>PTC0100</td> </tr> <tr> <td>17,5</td> <td></td> </tr> <tr> <td>PTC/SP</td> <td>PTC0990</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>DFH/1</td> <td>DH01..</td> </tr> <tr> <td>DFM/500</td> <td>DF500</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>SHZ/1</td> <td>SH004</td> </tr> <tr> <td>CCH/2,5-4</td> <td>CCH02</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>SHZ/1</td> <td>SH004</td> </tr> <tr> <td>BTU for PR/DIN and PR/3</td> <td>BT005</td> </tr> <tr> <td>BTO</td> <td>BT007</td> </tr> <tr> <td>BT/3 for PR/3 only</td> <td>BT003</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>PR/3/AC of steel</td> <td>PR003</td> </tr> <tr> <td>PR/3/AS same with slots</td> <td>PR005</td> </tr> </tbody> </table>	Type	Cat. No.	HMT.1/PT/GR	HM401GR	PTC/1/02 poles	PTC0102	PTC/1/03 poles	PTC0103	PTC/1/05 poles	PTC0105	PTC/1/10 poles	PTC0110	PTC/1/00 (50 poles)	PTC0100	17,5		PTC/SP	PTC0990	-		DFH/1	DH01..	DFM/500	DF500	-		-		-		-		SHZ/1	SH004	CCH/2,5-4	CCH02	-		SHZ/1	SH004	BTU for PR/DIN and PR/3	BT005	BTO	BT007	BT/3 for PR/3 only	BT003	-		PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005	<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> </tr> </thead> <tbody> <tr> <td>HMT.1/1+2/PT/GR</td> <td>HM411GR</td> </tr> <tr> <td>PTC/1/02 poles</td> <td>PTC0102</td> </tr> <tr> <td>PTC/1/03 poles</td> <td>PTC0103</td> </tr> <tr> <td>PTC/1/05 poles</td> <td>PTC0105</td> </tr> <tr> <td>PTC/1/10 poles</td> <td>PTC0110</td> </tr> <tr> <td>PTC/1/00 (50 poles)</td> <td>PTC0100</td> </tr> <tr> <td>17,5</td> <td></td> </tr> <tr> <td>PTC/SP</td> <td>PTC0990</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>DFH/2</td> <td>DH02..</td> </tr> <tr> <td>DFM/500</td> <td>DF500</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>SHZ/1</td> <td>SH004</td> </tr> <tr> <td>CCH/2,5-4</td> <td>CCH02</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>SHZ/1</td> <td>SH004</td> </tr> <tr> <td>BTU for PR/DIN and PR/3</td> <td>BT005</td> </tr> <tr> <td>BTO</td> <td>BT007</td> </tr> <tr> <td>BT/3 for PR/3 only</td> <td>BT003</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>PR/3/AC of steel</td> <td>PR003</td> </tr> <tr> <td>PR/3/AS same with slots</td> <td>PR005</td> </tr> </tbody> </table>	Type	Cat. No.	HMT.1/1+2/PT/GR	HM411GR	PTC/1/02 poles	PTC0102	PTC/1/03 poles	PTC0103	PTC/1/05 poles	PTC0105	PTC/1/10 poles	PTC0110	PTC/1/00 (50 poles)	PTC0100	17,5		PTC/SP	PTC0990	-		DFH/2	DH02..	DFM/500	DF500	-		-		-		-		SHZ/1	SH004	CCH/2,5-4	CCH02	-		SHZ/1	SH004	BTU for PR/DIN and PR/3	BT005	BTO	BT007	BT/3 for PR/3 only	BT003	-		PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005	<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> </tr> </thead> <tbody> <tr> <td>HMT.1/2+2/PT/GR</td> <td>HM421GR</td> </tr> <tr> <td>PTC/1/02 poles</td> <td>PTC0102</td> </tr> <tr> <td>PTC/1/03 poles</td> <td>PTC0103</td> </tr> <tr> <td>PTC/1/05 poles</td> <td>PTC0105</td> </tr> <tr> <td>PTC/1/10 poles</td> <td>PTC0110</td> </tr> <tr> <td>PTC/1/00 (50 poles)</td> <td>PTC0100</td> </tr> <tr> <td>17,5</td> <td></td> </tr> <tr> <td>PTC/SP</td> <td>PTC0990</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>DFH/3</td> <td>DH03..</td> </tr> <tr> <td>DFM/500</td> <td>DF500</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>SHZ/1</td> <td>SH004</td> </tr> <tr> <td>CCH/2,5-4</td> <td>CCH02</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>SHZ/1</td> <td>SH004</td> </tr> <tr> <td>BTU for PR/DIN and PR/3</td> <td>BT005</td> </tr> <tr> <td>BTO</td> <td>BT007</td> </tr> <tr> <td>BT/3 for PR/3 only</td> <td>BT003</td> </tr> <tr> <td>-</td> <td></td> </tr> <tr> <td>PR/3/AC of steel</td> <td>PR003</td> </tr> <tr> <td>PR/3/AS same with slots</td> <td>PR005</td> </tr> </tbody> </table>	Type	Cat. No.	HMT.1/2+2/PT/GR	HM421GR	PTC/1/02 poles	PTC0102	PTC/1/03 poles	PTC0103	PTC/1/05 poles	PTC0105	PTC/1/10 poles	PTC0110	PTC/1/00 (50 poles)	PTC0100	17,5		PTC/SP	PTC0990	-		DFH/3	DH03..	DFM/500	DF500	-		-		-		-		SHZ/1	SH004	CCH/2,5-4	CCH02	-		SHZ/1	SH004	BTU for PR/DIN and PR/3	BT005	BTO	BT007	BT/3 for PR/3 only	BT003	-		PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005
Type	Cat. No.																																																																																																																																																														
HMT.1/PT/GR	HM401GR																																																																																																																																																														
PTC/1/02 poles	PTC0102																																																																																																																																																														
PTC/1/03 poles	PTC0103																																																																																																																																																														
PTC/1/05 poles	PTC0105																																																																																																																																																														
PTC/1/10 poles	PTC0110																																																																																																																																																														
PTC/1/00 (50 poles)	PTC0100																																																																																																																																																														
17,5																																																																																																																																																															
PTC/SP	PTC0990																																																																																																																																																														
-																																																																																																																																																															
DFH/1	DH01..																																																																																																																																																														
DFM/500	DF500																																																																																																																																																														
-																																																																																																																																																															
-																																																																																																																																																															
-																																																																																																																																																															
-																																																																																																																																																															
SHZ/1	SH004																																																																																																																																																														
CCH/2,5-4	CCH02																																																																																																																																																														
-																																																																																																																																																															
SHZ/1	SH004																																																																																																																																																														
BTU for PR/DIN and PR/3	BT005																																																																																																																																																														
BTO	BT007																																																																																																																																																														
BT/3 for PR/3 only	BT003																																																																																																																																																														
-																																																																																																																																																															
PR/3/AC of steel	PR003																																																																																																																																																														
PR/3/AS same with slots	PR005																																																																																																																																																														
Type	Cat. No.																																																																																																																																																														
HMT.1/1+2/PT/GR	HM411GR																																																																																																																																																														
PTC/1/02 poles	PTC0102																																																																																																																																																														
PTC/1/03 poles	PTC0103																																																																																																																																																														
PTC/1/05 poles	PTC0105																																																																																																																																																														
PTC/1/10 poles	PTC0110																																																																																																																																																														
PTC/1/00 (50 poles)	PTC0100																																																																																																																																																														
17,5																																																																																																																																																															
PTC/SP	PTC0990																																																																																																																																																														
-																																																																																																																																																															
DFH/2	DH02..																																																																																																																																																														
DFM/500	DF500																																																																																																																																																														
-																																																																																																																																																															
-																																																																																																																																																															
-																																																																																																																																																															
-																																																																																																																																																															
SHZ/1	SH004																																																																																																																																																														
CCH/2,5-4	CCH02																																																																																																																																																														
-																																																																																																																																																															
SHZ/1	SH004																																																																																																																																																														
BTU for PR/DIN and PR/3	BT005																																																																																																																																																														
BTO	BT007																																																																																																																																																														
BT/3 for PR/3 only	BT003																																																																																																																																																														
-																																																																																																																																																															
PR/3/AC of steel	PR003																																																																																																																																																														
PR/3/AS same with slots	PR005																																																																																																																																																														
Type	Cat. No.																																																																																																																																																														
HMT.1/2+2/PT/GR	HM421GR																																																																																																																																																														
PTC/1/02 poles	PTC0102																																																																																																																																																														
PTC/1/03 poles	PTC0103																																																																																																																																																														
PTC/1/05 poles	PTC0105																																																																																																																																																														
PTC/1/10 poles	PTC0110																																																																																																																																																														
PTC/1/00 (50 poles)	PTC0100																																																																																																																																																														
17,5																																																																																																																																																															
PTC/SP	PTC0990																																																																																																																																																														
-																																																																																																																																																															
DFH/3	DH03..																																																																																																																																																														
DFM/500	DF500																																																																																																																																																														
-																																																																																																																																																															
-																																																																																																																																																															
-																																																																																																																																																															
-																																																																																																																																																															
SHZ/1	SH004																																																																																																																																																														
CCH/2,5-4	CCH02																																																																																																																																																														
-																																																																																																																																																															
SHZ/1	SH004																																																																																																																																																														
BTU for PR/DIN and PR/3	BT005																																																																																																																																																														
BTO	BT007																																																																																																																																																														
BT/3 for PR/3 only	BT003																																																																																																																																																														
-																																																																																																																																																															
PR/3/AC of steel	PR003																																																																																																																																																														
PR/3/AS same with slots	PR005																																																																																																																																																														

# HTE Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	HTE.2 Cat. No. HT500	HTE.2/1+2 Cat. No. HT510	HTE.2/2+2 Cat. No. HT520																																																																																																																																																						
<b>TECHNICAL CHARACTERISTICS</b>																																																																																																																																																									
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs																																																																																																																																																						
rated cross-section (mm <sup>2</sup> )	2,5	2,5	2,5																																																																																																																																																						
connecting capacity																																																																																																																																																									
flexible (mm <sup>2</sup> )	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4																																																																																																																																																						
rigid (mm <sup>2</sup> )	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4																																																																																																																																																						
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14																																																																																																																																																						
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A3																																																																																																																																																						
rated voltage / rated current / AWG	- / - / 24-12 AWG	- / - / 24-12 AWG	- / - / 24-12 AWG																																																																																																																																																						
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3																																																																																																																																																						
insulation stripping length (mm)	13	13	13																																																																																																																																																						
height / width / thickness	41 / 54 / 5,2	41 / 70 / 5,2	41 / 82 / 5,2																																																																																																																																																						
height / width / thickness	49 / 54 / 5,2	49 / 70 / 5,2	49 / 82 / 5,2																																																																																																																																																						
height / width / thickness	-	-	-																																																																																																																																																						
<b>APPROVALS</b>																																																																																																																																																									
<b>ACCESSORIES</b>																																																																																																																																																									
End sections	grey blue																																																																																																																																																								
Permanent cross connection																																																																																																																																																									
Rated current carrying capacity of jumper (A)																																																																																																																																																									
Cross-connection identification strip (100 mm)	green																																																																																																																																																								
Multiple common bar	250 mm																																																																																																																																																								
Shunting screw and sleeve																																																																																																																																																									
Coloured partition	red, green, white																																																																																																																																																								
Cross connection barrier	red																																																																																																																																																								
Test plug socket																																																																																																																																																									
Test plug																																																																																																																																																									
Modular test plug																																																																																																																																																									
End section for modular test plug																																																																																																																																																									
Numbering strip																																																																																																																																																									
Screwdriver for the activation of the spring																																																																																																																																																									
Warning plate	on adjacent terminal blocks																																																																																																																																																								
Marking tag	printed or blank																																																																																																																																																								
End bracket																																																																																																																																																									
Mounting rail according to IEC 60715 Std.																																																																																																																																																									
	<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> </tr> </thead> <tbody> <tr><td>HMT.2/PT/GR</td><td>HM501GR</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>PTC/03/02 poles</td><td>PTC0302</td></tr> <tr><td>PTC/03/03 poles</td><td>PTC0303</td></tr> <tr><td>PTC/03/05 poles</td><td>PTC0305</td></tr> <tr><td>PTC/03/10 poles</td><td>PTC0310</td></tr> <tr><td>PTC/03/00 (47 poles)</td><td>PTC0300</td></tr> <tr><td>24</td><td></td></tr> <tr><td>PTC/SP</td><td>PTC0990</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>DFH/1</td><td>DH01..</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>SDD/1</td><td>DD001</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>CNU/8/51</td><td>NU0851</td></tr> <tr><td>CCH/2,5-4</td><td>CCH02</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>CNU/8/51</td><td>NU0851</td></tr> <tr><td>BTU for PR/DIN and PR/3</td><td>BT005</td></tr> <tr><td>BTO</td><td>BT007</td></tr> <tr><td>BT/3 for PR/3 only</td><td>BT003</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>PR/3/AC of steel</td><td>PR003</td></tr> <tr><td>PR/3/AS same with slots</td><td>PR005</td></tr> </tbody> </table>	Type	Cat. No.	HMT.2/PT/GR	HM501GR	-	-	PTC/03/02 poles	PTC0302	PTC/03/03 poles	PTC0303	PTC/03/05 poles	PTC0305	PTC/03/10 poles	PTC0310	PTC/03/00 (47 poles)	PTC0300	24		PTC/SP	PTC0990	-	-	DFH/1	DH01..	-	-	SDD/1	DD001	-	-	CNU/8/51	NU0851	CCH/2,5-4	CCH02	-	-	CNU/8/51	NU0851	BTU for PR/DIN and PR/3	BT005	BTO	BT007	BT/3 for PR/3 only	BT003	-	-	PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005	<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> </tr> </thead> <tbody> <tr><td>HMT.2/1+2/PT/GR</td><td>HM511GR</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>PTC/03/02 poles</td><td>PTC0302</td></tr> <tr><td>PTC/03/03 poles</td><td>PTC0303</td></tr> <tr><td>PTC/03/05 poles</td><td>PTC0305</td></tr> <tr><td>PTC/03/10 poles</td><td>PTC0310</td></tr> <tr><td>PTC/03/00 (47 poles)</td><td>PTC0300</td></tr> <tr><td>24</td><td></td></tr> <tr><td>PTC/SP</td><td>PTC0990</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>DFH/2</td><td>DH02..</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>SDD/1</td><td>DD001</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>CNU/8/51</td><td>NU0851</td></tr> <tr><td>CCH/2,5-4</td><td>CCH02</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>CNU/8/51</td><td>NU0851</td></tr> <tr><td>BTU for PR/DIN and PR/3</td><td>BT005</td></tr> <tr><td>BTO</td><td>BT007</td></tr> <tr><td>BT/3 for PR/3 only</td><td>BT003</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>PR/3/AC of steel</td><td>PR003</td></tr> <tr><td>PR/3/AS same with slots</td><td>PR005</td></tr> </tbody> </table>	Type	Cat. No.	HMT.2/1+2/PT/GR	HM511GR	-	-	PTC/03/02 poles	PTC0302	PTC/03/03 poles	PTC0303	PTC/03/05 poles	PTC0305	PTC/03/10 poles	PTC0310	PTC/03/00 (47 poles)	PTC0300	24		PTC/SP	PTC0990	-	-	DFH/2	DH02..	-	-	SDD/1	DD001	-	-	CNU/8/51	NU0851	CCH/2,5-4	CCH02	-	-	CNU/8/51	NU0851	BTU for PR/DIN and PR/3	BT005	BTO	BT007	BT/3 for PR/3 only	BT003	-	-	PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005	<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> </tr> </thead> <tbody> <tr><td>HMT.2/2+2/PT/GR</td><td>HM521GR</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>PTC/03/02 poles</td><td>PTC0302</td></tr> <tr><td>PTC/03/03 poles</td><td>PTC0303</td></tr> <tr><td>PTC/03/05 poles</td><td>PTC0305</td></tr> <tr><td>PTC/03/10 poles</td><td>PTC0310</td></tr> <tr><td>PTC/03/00 (47 poles)</td><td>PTC0300</td></tr> <tr><td>24</td><td></td></tr> <tr><td>PTC/SP</td><td>PTC0990</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>DFH/3</td><td>DH03..</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>SDD/1</td><td>DD001</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>CNU/8/51</td><td>NU0851</td></tr> <tr><td>CCH/2,5-4</td><td>CCH02</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>CNU/8/51</td><td>NU0851</td></tr> <tr><td>BTU for PR/DIN and PR/3</td><td>BT005</td></tr> <tr><td>BTO</td><td>BT007</td></tr> <tr><td>BT/3 for PR/3 only</td><td>BT003</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>PR/3/AC of steel</td><td>PR003</td></tr> <tr><td>PR/3/AS same with slots</td><td>PR005</td></tr> </tbody> </table>	Type	Cat. No.	HMT.2/2+2/PT/GR	HM521GR	-	-	PTC/03/02 poles	PTC0302	PTC/03/03 poles	PTC0303	PTC/03/05 poles	PTC0305	PTC/03/10 poles	PTC0310	PTC/03/00 (47 poles)	PTC0300	24		PTC/SP	PTC0990	-	-	DFH/3	DH03..	-	-	SDD/1	DD001	-	-	CNU/8/51	NU0851	CCH/2,5-4	CCH02	-	-	CNU/8/51	NU0851	BTU for PR/DIN and PR/3	BT005	BTO	BT007	BT/3 for PR/3 only	BT003	-	-	PR/3/AC of steel	PR003	PR/3/AS same with slots	PR005
Type	Cat. No.																																																																																																																																																								
HMT.2/PT/GR	HM501GR																																																																																																																																																								
-	-																																																																																																																																																								
PTC/03/02 poles	PTC0302																																																																																																																																																								
PTC/03/03 poles	PTC0303																																																																																																																																																								
PTC/03/05 poles	PTC0305																																																																																																																																																								
PTC/03/10 poles	PTC0310																																																																																																																																																								
PTC/03/00 (47 poles)	PTC0300																																																																																																																																																								
24																																																																																																																																																									
PTC/SP	PTC0990																																																																																																																																																								
-	-																																																																																																																																																								
DFH/1	DH01..																																																																																																																																																								
-	-																																																																																																																																																								
SDD/1	DD001																																																																																																																																																								
-	-																																																																																																																																																								
CNU/8/51	NU0851																																																																																																																																																								
CCH/2,5-4	CCH02																																																																																																																																																								
-	-																																																																																																																																																								
CNU/8/51	NU0851																																																																																																																																																								
BTU for PR/DIN and PR/3	BT005																																																																																																																																																								
BTO	BT007																																																																																																																																																								
BT/3 for PR/3 only	BT003																																																																																																																																																								
-	-																																																																																																																																																								
PR/3/AC of steel	PR003																																																																																																																																																								
PR/3/AS same with slots	PR005																																																																																																																																																								
Type	Cat. No.																																																																																																																																																								
HMT.2/1+2/PT/GR	HM511GR																																																																																																																																																								
-	-																																																																																																																																																								
PTC/03/02 poles	PTC0302																																																																																																																																																								
PTC/03/03 poles	PTC0303																																																																																																																																																								
PTC/03/05 poles	PTC0305																																																																																																																																																								
PTC/03/10 poles	PTC0310																																																																																																																																																								
PTC/03/00 (47 poles)	PTC0300																																																																																																																																																								
24																																																																																																																																																									
PTC/SP	PTC0990																																																																																																																																																								
-	-																																																																																																																																																								
DFH/2	DH02..																																																																																																																																																								
-	-																																																																																																																																																								
SDD/1	DD001																																																																																																																																																								
-	-																																																																																																																																																								
CNU/8/51	NU0851																																																																																																																																																								
CCH/2,5-4	CCH02																																																																																																																																																								
-	-																																																																																																																																																								
CNU/8/51	NU0851																																																																																																																																																								
BTU for PR/DIN and PR/3	BT005																																																																																																																																																								
BTO	BT007																																																																																																																																																								
BT/3 for PR/3 only	BT003																																																																																																																																																								
-	-																																																																																																																																																								
PR/3/AC of steel	PR003																																																																																																																																																								
PR/3/AS same with slots	PR005																																																																																																																																																								
Type	Cat. No.																																																																																																																																																								
HMT.2/2+2/PT/GR	HM521GR																																																																																																																																																								
-	-																																																																																																																																																								
PTC/03/02 poles	PTC0302																																																																																																																																																								
PTC/03/03 poles	PTC0303																																																																																																																																																								
PTC/03/05 poles	PTC0305																																																																																																																																																								
PTC/03/10 poles	PTC0310																																																																																																																																																								
PTC/03/00 (47 poles)	PTC0300																																																																																																																																																								
24																																																																																																																																																									
PTC/SP	PTC0990																																																																																																																																																								
-	-																																																																																																																																																								
DFH/3	DH03..																																																																																																																																																								
-	-																																																																																																																																																								
SDD/1	DD001																																																																																																																																																								
-	-																																																																																																																																																								
CNU/8/51	NU0851																																																																																																																																																								
CCH/2,5-4	CCH02																																																																																																																																																								
-	-																																																																																																																																																								
CNU/8/51	NU0851																																																																																																																																																								
BTU for PR/DIN and PR/3	BT005																																																																																																																																																								
BTO	BT007																																																																																																																																																								
BT/3 for PR/3 only	BT003																																																																																																																																																								
-	-																																																																																																																																																								
PR/3/AC of steel	PR003																																																																																																																																																								
PR/3/AS same with slots	PR005																																																																																																																																																								

# HTE Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body

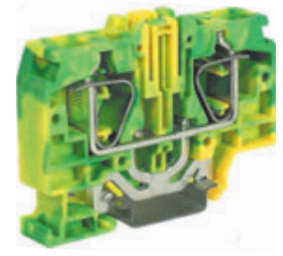
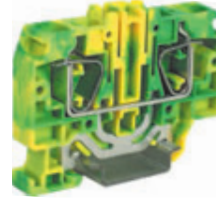


yellow/green version	HTE.4 Cat. No. HT250	HTE.4/1+2 Cat. No. HT260	HTE.4/2+2 Cat. No. HT270
<b>TECHNICAL CHARACTERISTICS</b>			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm <sup>2</sup> )	4	4	4
connecting capacity			
flexible (mm <sup>2</sup> )	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
rigid (mm <sup>2</sup> )	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A4	- / - / A4	- / - / A4
rated voltage / rated current / AWG UL	- / - / 24-10 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	17	17	17
height / width / thickness	45 / 58 / 6,2	45 / 78 / 6,2	45 / 98 / 6,2
height / width / thickness	52 / 58 / 6,2	52 / 78 / 6,2	52 / 98 / 6,2
height / width / thickness	-	-	-
<b>APPROVALS</b>			
<b>ACCESSORIES</b>	<b>Type</b>	<b>Type</b>	<b>Type</b>
End sections	<b>HMT.4/PT/GR</b>	<b>HMT.4/1+2/PT/GR</b>	<b>HMT.4/2+2/PT/GR</b>
Permanent cross connection	<b>PTC/5/02</b> poles	<b>PTC/5/02</b> poles	<b>PTC/5/02</b> poles
	<b>PTC/5/03</b> poles	<b>PTC/5/03</b> poles	<b>PTC/5/03</b> poles
	<b>PTC/5/05</b> poles	<b>PTC/5/05</b> poles	<b>PTC/5/05</b> poles
	<b>PTC/5/10</b> poles	<b>PTC/5/10</b> poles	<b>PTC/5/10</b> poles
	<b>PTC/5/00</b> (40 poles)	<b>PTC/5/00</b> (40 poles)	<b>PTC/5/00</b> (40 poles)
Rated current carrying capacity of jumper (A)	<b>32</b>	<b>32</b>	<b>32</b>
Cross-connection identification strip (100 mm)	<b>PTC/SP</b>	<b>PTC/SP</b>	<b>PTC/SP</b>
Multiple common bar	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition	<b>DFH/1</b>	<b>DFH/1</b>	<b>DFH/1</b>
Cross connection barrier	-	-	-
Test plug socket	-	-	-
Test plug	<b>SDD/1</b>	<b>SDD/1</b>	<b>SDD/1</b>
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	<b>CNU/8/61</b>	<b>CNU/8/61</b>	<b>CNU/8/61</b>
Screwdriver for the activation of the spring	<b>CCH/2,5-4</b>	<b>CCH/2,5-4</b>	<b>CCH/2,5-4</b>
Warning plate	-	-	-
Marking tag	<b>CNU/8/61</b>	<b>CNU/8/61</b>	<b>CNU/8/61</b>
End bracket	<b>BTU</b> for PR/DIN and PR/3	<b>BTU</b> for PR/DIN and PR/3	<b>BTU</b> for PR/DIN and PR/3
	<b>BTO</b>	<b>BTO</b>	<b>BTO</b>
	<b>BT/3</b> for PR/3 only	<b>BT/3</b> for PR/3 only	<b>BT/3</b> for PR/3 only
Mounting rail according to IEC 60715 Std.	<b>PR/3/AC</b> of steel	<b>PR/3/AC</b> of steel	<b>PR/3/AC</b> of steel
	<b>PR/3/AS</b> same with slots	<b>PR/3/AS</b> same with slots	<b>PR/3/AS</b> same with slots

# HTE Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- for earth connection with yellow/green insulating body



yellow/green version	HTE.6	HTE.10	HTE.16
	Cat. No. <b>HT320</b>	Cat. No. <b>HT330</b>	Cat. No. <b>HT340</b>
<b>TECHNICAL CHARACTERISTICS</b>			
function / type	earth	earth	earth
rated cross-section (mm <sup>2</sup> )	6	10	16
connecting capacity			
flexible (mm <sup>2</sup> )	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm <sup>2</sup> )	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A5	- / - / A6	- / - / A7
rated voltage / rated current / AWG UL	- / - / 24-8 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	18	18	18
height / width / thickness	44 / 62 / 8,2	53 / 71 / 10	56 / 80 / 12
height / width / thickness	52 / 62 / 8,2	61 / 70 / 10	64 / 80 / 12
height / width / thickness	-	-	-
		KEMA-KEUR, UL, cUL, ENEL Distribuzione pending	KEMA-KEUR, UL, cUL, ENEL Distribuzione pending
<b>APPROVALS</b>			
<b>ACCESSORIES</b>	<b>Type</b>	<b>Type</b>	<b>Type</b>
End sections	<b>HMT.6/PT/GR</b>	<b>HMT.10/PT</b>	<b>HMT.16/PT</b>
grey blue	HM321GR	HM331GR	HM341GR
Permanent cross connection	<b>PTC/8/02</b> poles	<b>PTC/11/02</b> poles	<b>PTC/16/02</b> poles
	PTC0802	PTC1102	PTC1602
	<b>PTC/8/03</b> poles	<b>PTC/11/03</b> poles	<b>PTC/16/03</b> poles
	PTC0803	PTC1103	PTC1603
	<b>PTC/8/05</b> poles	<b>PTC/11/05</b> poles	<b>PTC/16/05</b> poles
	PTC0805	PTC1105	PTC1605
	<b>PTC/8/10</b> poles	<b>PTC/11/10</b> poles	<b>PTC/16/10</b> poles
	PTC0810	PTC1110	PTC1610
	<b>PTC/8/00</b> (30 poles)	<b>PTC/11/00</b> (25 poles)	<b>PTC/16/00</b> (20 poles)
	PTC0800	PTC1100	PTC1600
Rated current carrying capacity of jumper (A)	<b>41</b>	<b>57</b>	<b>76</b>
Cross-connection identification strip (100 mm)	<b>PTC/SP</b>	-	-
green	PTC0990	-	-
Multiple common bar	-	-	-
250 mm	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition	<b>DFH/1</b>	<b>DFH/4</b>	<b>DFH/4</b>
red, green, white	DH01..	DH04..	DH04..
Cross connection barrier	-	-	-
red	-	-	-
Test plug socket	-	-	-
Test plug	<b>SDD/1</b>	<b>SDD/1</b>	<b>SDD/1</b>
Modular test plug	DD001	DD001	DD001
End section for modular test plug	-	-	-
Numbering strip	-	-	-
Screwdriver for the activation of the spring	<b>CNU/8/51</b>	<b>SNZ/10</b>	-
red	NU0851	SN005	-
Warning plate	<b>CCH/2,5-4</b>	<b>CCH/4</b>	<b>CCH/4</b>
on adjacent terminal blocks	CCH02	CCH02	CCH02
Marking tag	<b>CNU/8/51</b>	<b>CNU/8/51</b>	<b>CNU/8/51</b>
printed or blank	NU0851	NU0851	NU0851
End bracket	<b>BTU</b> for PR/DIN and PR/3	<b>BTU</b> for PR/DIN and PR/3	<b>BTU</b> for PR/DIN and PR/3
	BT005	BT005	BT005
	<b>BTO</b>	<b>BTO</b>	<b>BTO</b>
	BT007	BT007	BT007
	<b>BT/3</b> for PR/3 only	<b>BT/3</b> for PR/3 only	<b>BT/3</b> for PR/3 only
	BT003	BT003	BT003
Mounting rail according to IEC 60715 Std.	-	-	-
	<b>PR/3/AC</b> of steel	<b>PR/3/AC</b> of steel	<b>PR/3/AC</b> of steel
	PR003	PR003	PR003
	<b>PR/3/AS</b> same with slots	<b>PR/3/AS</b> same with slots	<b>PR/3/AS</b> same with slots
	PR005	PR005	PR005

# H Series

## with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



detail of PTC jumper and DFM barrier with numbering



detail of composable test plug

The **/GR** tag indicates the grey colour version.



HMD.2 terminal block with PHD.2 jumper

Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams

<b>grey version</b>	
<b>(Ex)i version</b>	
<b>version with permanent internal connection</b>	
<b>TECHNICAL CHARACTERISTICS</b>	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

<b>HMD.1/GR</b>	Cat. No. <b>HD200GR</b>
<b>HMD.1 (Ex)i</b>	Cat. No. <b>HD300</b>
<b>HMD.1/CI/GR</b>	Cat. No. <b>HD120GR</b>
two-level feed-through	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V / 17,5 A / B2	
600 V / 15 A / 26-14 AWG	
6 KV / 3	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

<b>HMD.2N/GR</b>	Cat. No. <b>HD400GR</b>
<b>HMD.2N (Ex)i</b>	Cat. No. <b>HD410</b>
<b>HMD.2N/CI/GR</b>	Cat. No. <b>HD450GR</b>
two-level feed-through	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V / 24 A / B2	
600 V / 15 A / 26-14 AWG	
8 KV / 3	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

<b>HMD.2/GR</b>	Cat. No. <b>HD100GR</b>
two-level feed-through	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
1,5 - WP15/14	
800 V / 24 A / A3	
600 V / 20 A / 24-12 AWG	
8 KV / 3	
10	
49 / 91 / 5,2	
56 / 91 / 5,2	
-	

### APPROVALS



Approvals referred to HMD.1 standard version



Approvals referred to HMD.2N standard version



<b>ACCESSORIES</b>	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross-connection identification strip (100 mm)	green
Internal cross connection (removable)	
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
<b>HMD.1/PT/GR</b>	HD201GR
<b>HMD.1/PT (Ex)i</b>	HI301
<b>PTC/1/02</b> poles	PTC0102
<b>PTC/1/03</b> poles	PTC0103
<b>PTC/1/05</b> poles	PTC0105
<b>PTC/1/10</b> poles	PTC0110
<b>PTC/1/00</b> (50 poles)	PTC0100
<b>17,5</b>	
<b>PTC/SP</b>	PTC0990
-	
<b>DFU/07</b>	DU07..
<b>DFM/500</b>	DF500
-	
<b>SDH/4-SDH/4P</b>	DH004-DH04P
<b>SH4/PT</b>	DH401
<b>SHZ/1</b>	SH004
<b>CCH/2,5-4</b>	CCH02
-	
<b>SHZ/1</b>	SH004
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005

Type	Cat. No.
<b>HMD.1/PT/GR</b>	HD201GR
<b>HMD.1/PT (Ex)i</b>	HI301
<b>PTC/03/02</b> poles	PTC0302
<b>PTC/03/03</b> poles	PTC0303
<b>PTC/03/05</b> poles	PTC0305
<b>PTC/03/10</b> poles	PTC0310
<b>PTC/03/00</b> (50 poles)	PTC0300
<b>24</b>	
<b>PTC/SP</b>	PTC0990
-	
<b>DFU/07</b>	DU07..
<b>DFM/500</b>	DF500
-	
<b>SDH/7</b>	DH007
<b>SH7/PT</b>	DH701
<b>CNU/8/51</b>	NU0851
<b>CCH/2,5-4</b>	CCH02
-	
<b>CNU/8/51</b>	NU0851
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005

Type	Cat. No.
<b>HMD/PT/GR</b>	HD101GR
-	
<b>PH/2,5-4</b>	PH100
<b>PHD/2</b>	PHD02
-	
<b>24</b>	
-	
<b>PHD/2</b>	PHD02
-	
<b>DFH/4</b>	DH04..
-	
-	
<b>SDD/1</b>	DD001
-	
-	
<b>CNU/8/51</b>	NU0851
<b>CCH/2,5-4</b>	CCH02
-	
<b>CNU/8/51</b>	NU0851
(solo su piano inferiore)	
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005

# H Series

## with polyamide insulating body

- UL94V-0
- versions suited to contain electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Exi) "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



(\* values referred to the insulation characteristics of the terminal block and to the connection unit

The **/GR** tag indicates the grey colour version.

max. thickness of the mounted components: 3,4 mm

max. thickness of the mounted components: 3,9 mm

grey version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.1/X/GR	Cat. No. HD130GR
two level, arranged to contain electronic components	
1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
500 V (*) / 17,5 A (*) / B2	
-	
6 KV / 3 (*)	
10	
59 / 73 / 4,2	
67 / 73 / 4,2	
-	

HMD.2N/X/GR	Cat. No. HD440GR
two level, arranged to contain electronic components	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V (*) / 24 A (*) / B2	
-	
6 KV / 3 (*)	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

HMD.2N/DD/GR	Cat. No. HD420GR
version equipped with two 1N4007 diodes in feed-through configuration for each level	

## APPROVALS

Approvals referred to HMD.1 standard version

Approvals referred to HMD.2N standard version

ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	
PTC/1/02 poles	PTC0102
PTC/1/03 poles	PTC0103
PTC/1/05 poles	PTC0105
PTC/1/10 poles	PTC0110
PTC/1/00 (50 poles)	PTC0100
17,5	
-	
DFU/7	DU07..
DFM/500	DF500
-	
SDH/4-SDH/4P	DH004-DH04P
SH4/PT	DH401
SHZ/1	SH004
CCH/2,5-4	CCH02
-	
SHZ/1	SH004
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (50 poles)	PTC0300
24	
-	
DFU/7	DU07..
DFM/500	DF500
-	
SDH/7	DH007
SH7/PT	DH701
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

HMD.2/3DC/GR	Cat. No. HD430GR
--------------	------------------

version equipped with three 1N4007 diodes and shared cathode	

# H Series

## with polyamide insulating body

- UL94V-0
- version suited to house a connector / test plug as well as electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



detail of modular test plug / composable connector

The **/GR** tag indicates the grey colour version.

max. thickness of the mounted components:  
3,9 mm

grey version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HMD.2N/X1/GR	
Cat. No. HD441GR	
two-level, upper feed-through and lower disconnect	
2,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
630 V / 24 A / B2	
-	
8 KV / 3	
10	
59 / 73 / 5,2	
67 / 73 / 5,2	
-	

### APPROVALS

KEMA-KEUR, UL and cUL pending

ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Striscia di segnalazione ponte	100 mm
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMD.1/PT/GR	HD201GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFU/7	DU07..
DFM/500	DF500
-	
SDH/7	DH007
SH7/PT	DH701
CNU/8/51	NU0851
CCH/2,5-4	CCH02
-	
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

# H Series

## with polyamide insulating body

- Mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- Three feed-through levels / Two feed-through levels + earth
- Available in grey (RAL 7042) colour or Earth, with green/yellow insulating casing
- “Easy bridge” jumpering system: double insertion possibility of PTC multi-pole cross-connections, without the need of an insulating protection
- **HLD.2** and **HDE.2**: Possibility to house electronic components between the three levels and having max. thickness of 3,9 mm
- Coupling possibility with each others



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1 (*)					
upper level	500	500		500 (**)	500
intermediate level	500	500		500 (**)	
lower level (HLD.2... only)	500	500		500 (**)	

Note (\*) for HLD.2 and HDE.2 only (\*\*) interposing an end section

The /GR tag indicates the grey colour version.

<b>NEW</b> <b>grey coloured version (/earth)</b>
<b>version with internal cross-connection</b>
<b>(Ex)i version</b>
<b>TECHNICAL CHARACTERISTICS</b>
function / type
rated cross-section (mm <sup>2</sup> )
connecting capacity
flexible (mm <sup>2</sup> )
rigid (mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type
rated voltage / rated current / gauge conf. to IEC 60947-7-1
rated voltage / rated current / AWG UL
rated impulse withstand voltage / pollution degree
insulation stripping length (mm)
tightening torque value (test / max) (Nm)
height / width / thickness TH/35 7,5 mm
height / width / thickness TH/35 15 mm
height / width / thickness G32

<b>HLD.2/GR</b> Cat. No. <b>HL200GR</b>
<b>HLD.2/CI/GR</b> Cat. No. <b>HL210GR</b>
<b>HLD.2 (Ex)i</b> Cat. No. <b>HD510GR</b>
Three feed-through levels 2,5
0,2 ÷ 2,5 0,2 ÷ 2,5 1,5 - WP15/14 500 V / 24 A / B2
8 KV / 3 10
-
75 / 95 / 5,2 83 / 95 / 5,2
-

<b>HDE.2/GR</b> Cat. No. <b>HL500GR</b>
Two feed-through levels + earth 2,5
0,2 ÷ 2,5 0,2 ÷ 2,5 1,5 - WP15/14 500 V / 24 A / B2
8 KV / 3 10
-
75 / 95 / 5,2 83 / 95 / 5,2
-

<b>HTTE.2</b> Cat. No. <b>HLT500</b>
Three cross-connected earth levels 2,5
0,2 ÷ 2,5 0,2 ÷ 2,5 1,5 - WP15/14 - / - / B2
8 KV / 3 10
-
75 / 95 / 5,2 83 / 95 / 5,2
-

### APPROVALS

KEMA-KEUR approvals, UL and cUL pending

KEMA-KEUR approvals, UL and cUL pending

KEMA-KEUR approvals, UL and cUL pending

<b>ACCESSORIES</b>
End sections grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)
Rated current carrying capacity of jumper (A)
Cross connection identification strip (100 mm) green
Cross connection barrier
Coloured partition red, green, white
Test plug socket
Numbering strip
Miniature fuse Ø 5 x 20 mm
Screwdriver for the activation of the spring
Short circuit screw and sleeve (with plug)
Short circuit plate for 2 adjoining terminal blocks for 4 adjoining terminal blocks
Marking tag printed or blank
End bracket
Mounting rail according to IEC 60715 Std.

<b>Type</b>	<b>Cat. No.</b>
<b>HLD.2/PT/GR</b>	HL201GR
-	-
-	-
<b>PTC/03/02</b> poli	PTC0302
<b>PTC/03/03</b> poli	PTC0303
<b>PTC/03/05</b> poli	PTC0305
<b>PTC/03/10</b> poli	PTC0310
<b>PTC/03/00</b> (47 poli)	PTC0300
<b>24</b>	-
-	-
<b>DFM/500</b>	DF500
-	-
<b>CNU/8/51</b>	NU0851
<b>CCH/2,5-4</b>	CCH02
-	-
-	-
<b>CNU/8/51</b>	NU0851
-	-
<b>BTU</b> per PR/DIN e PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> solo per PR/3	BT003
-	-
<b>PR/3/AC</b> in acciaio	PR003
<b>PR/3/AS</b> idem con asole	PR005

<b>Type</b>	<b>Cat. No.</b>
<b>HLD.2/PT/GR</b>	HL201GR
-	-
-	-
<b>PTC/03/02</b> poli	PTC0302
<b>PTC/03/03</b> poli	PTC0303
<b>PTC/03/05</b> poli	PTC0305
<b>PTC/03/10</b> poli	PTC0310
<b>PTC/03/00</b> (47 poli)	PTC0300
<b>24</b>	-
-	-
<b>DFM/500</b>	DF500
-	-
<b>CNU/8/51</b>	NU0851
<b>CCH/2,5-4</b>	CCH02
-	-
-	-
<b>CNU/8/51</b>	NU0851
-	-
<b>BTU</b> per PR/DIN e PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> solo per PR/3	BT003
-	-
<b>PR/3/AC</b> in acciaio	PR003
<b>PR/3/AS</b> idem con asole	PR005

<b>Type</b>	<b>Cat. No.</b>
<b>HLD.2/PT/GR</b>	HL201GR
-	-
-	-
<b>PTC/03/02</b> poli	PTC0302
<b>PTC/03/03</b> poli	PTC0303
<b>PTC/03/05</b> poli	PTC0305
<b>PTC/03/10</b> poli	PTC0310
<b>PTC/03/00</b> (47 poli)	PTC0300
<b>24</b>	-
-	-
<b>DFM/500</b>	DF500
-	-
<b>CNU/8/51</b>	NU0851
<b>CCH/2,5-4</b>	CCH02
-	-
-	-
<b>CNU/8/51</b>	NU0851
-	-
<b>BTU</b> per PR/DIN e PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> solo per PR/3	BT003
-	-
<b>PR/3/AC</b> in acciaio	PR003
<b>PR/3/AS</b> idem con asole	PR005





# H Series

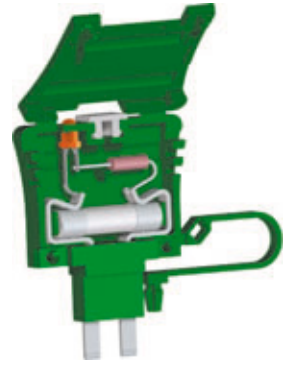
## with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Please refer to the table on page 136 in order to determine the insulation voltage of the different PTC connection diagrams

(\*) value referred to the insulation characteristics of the terminal block



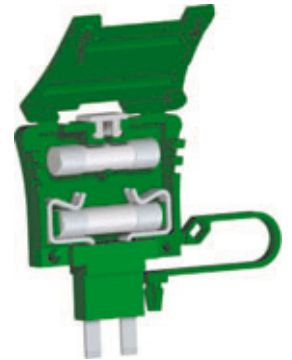
The /GR tag indicates the grey colour version.

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 (PV) - [W]	Composite configuration (PV) - [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

grey version	
<b>TECHNICAL CHARACTERISTICS</b>	
function / type	
rated cross-section (mm <sup>2</sup> )	
connecting capacity	
flexible (mm <sup>2</sup> )	
rigid (mm <sup>2</sup> )	
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	
rated voltage / rated current / AWG	UL
(Ex e) rated voltage  /  (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / max) (Nm)	
height / width / thickness  TH/35 7,5 mm	
height / width / thickness  TH/35 15 mm	
height / width / thickness  G32	

HMFA.2/GR	
Cat. No.	HF300GR
for blade fuse and component-holder cartridge	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
400 V (*) / 6,3 A / A3	
-	
4 kV (*) / 3	
11	
-	
41 / 66 / 5,2	
49 / 66 / 5,2	
- / - / -	

CPF/5	
Cat. No.	CPF05
component-holder cartridge	
-	
-	
-	
320 V (a) / 6,3 A (a) / A5	
-	
-	
4 kV / 3	
-	
-	
(b) / 33 / 6	
(b) / 33 / 6	
(b) / 33 / 6	



The cartridge can contain a spare fuse, instead of the LED signalling circuit.

### APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Increased pitch jumper	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade fuses	In = 2 A acc. to DIN 72581/3F ISO 8820 In = 5 A - max voltage 32 V In = 7,5 A In = 15 A
Signal element	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HMT.2/1+2/PT/GR	HM511GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
-	
DFH/2	DH02..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
F32/2	FN03202
F32/5	FN03205
F32/7	FN03207
F32/15	FN03215
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PRO03
PR/3/AS same with slots	PRO05

ACCESSORIES		Type	Cat. No.
Marking tag	printed or blank	CNU/8/51	NU0851
Tinned brass conductor	Ø 5 x 20 mm	CO/5	VL103
Cartridge / insert with 1 A diode		SFR/11A (with 1 A diode)	SF992
Cartridge / insert with 3 A diode		SFR/13A (with 3 A diode)	SF993

OUTFITTED VERSIONS		Type	Cat. No.
With non-polarized LED microcircuit	12 Vdc / Vac	CPF/5L12	CPF512
With non-polarized LED microcircuit	24 Vdc / Vac	CPF/5L24	CPF524
With non-polarized LED microcircuit	48 Vdc / Vac	CPF/5L48	CPF548
With non-polarized LED microcircuit	115 Vdc / Vac	CPF/5L115	CPF511
With non-polarized LED microcircuit	230 Vdc / Vac	CPF/5L230	CPF523
With 1 A diode (1N4001 ÷ 1N4007 types)		CPF/5D1A	CPF501
With 3 A diode (BY255 type)		CPF/5D3A	CPF503
With resistor 1200 Ω (1 W ± 5%)		CPF/5R	CPR05

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

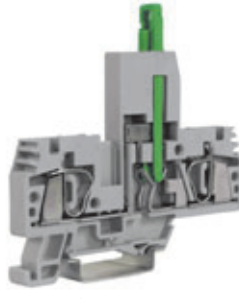
Note:

- (a) with fuse Ø 5 x 20 mm, 250 V, I<sub>max</sub> = 6,3 A – with brass pin I<sub>max</sub> = 10 A
- (b) total value, when the cartridge is mounted on terminals, including the mounting rail

# H Series

## with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



for Ø 5 x 20 mm fuse



for Ø 5 x 20 mm fuse

Possibility of the insertion of a LSH type indicator (for 12, 24, 48, 115 or 230 V), supplied also separately, equipped with a red coloured LED. The blow-out of the fuse determines the ignition of the LED, with a current flow of approximately 2 mA in a.c. or 5 mA in d.c.

(\*) value referred to the insulation characteristics of the terminal block  
 (\*\*) separate configuration conf. to IEC 60947-7-3

The /GR tag indicates the grey colour version.

### grey version

TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

### APPROVALS

#### ACCESSORIES

End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Jumper with increased pitch	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Blade fuses	In = 2 A In = 5 A - max voltage 32 V In = 7,5 A In = 15 A
Signal element	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

### HMF.4/GR

Cat. No. HF110GR

for Ø 5 x 20 mm fuse	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / 6,3 A (20 A con CO/5) / A4	
600 V / 20 A / 24-10 AWG	
-	
6 KV / 3	
13	
-	
68 / 80 / 8	
76 / 80 / 8	
- / - / -	



Type	Cat. No.
HMF/PT/GR	HF111GR
-	-
PH/2,5-4	PH100
<b>32</b>	
PHM/2,5-4	PHM01
-	-
DFH/4	DH04..
-	-
SDD/1	DD001
-	-
-	-
-	-
-	-
-	-
-	-
-	-
LSH/** (according to voltage)	LS...
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

### HMF.4/L12/GR

Cat. No. HF212GR

### HMF.4/L24/GR

Cat. No. HF224GR

### HMF.4/L48/GR

Cat. No. HF248GR

for fuse and LED circuit	
4	
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
630 V (*) / 6,3 A (20 A con CO/5) / A4	
-	
6 KV / 3	
13	
-	
68 / 80 / 8	
76 / 80 / 8	
- / - / -	

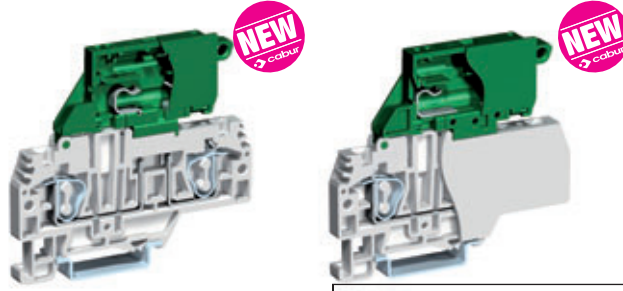
Approvals referred to standard version

Type	Cat. No.
-	-
-	-
PH/2,5-4	PH100
<b>32</b>	
PHM/2,5-4	PHM01
-	-
DFH/4	DH04..
-	-
SDD/1	DD001
-	-
-	-
-	-
-	-
-	-
-	-
-	-
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BT0	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

# H Series

## with polyamide insulating body

- mounting onto PR/3, TH/35 type rails, according to IEC 60715 Std.
- for  $\varnothing 5 \times 20$  mm fuses or  $\varnothing 6,3 \times 32$  mm fuses (supplied separately) with possibility to detect the fuse-blowout status, by means of a LED micro-circuit (CIL...)
- available in grey (RAL 7042) colour
- "Easy bridge" jumpering system: double insertion possibility of PTC multi-pole cross-connections, without the need of an insulating protection
- coupling possibility with all HMM.4...terminal blocks



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Tensione di isolamento nelle suddette configurazioni (V) sec. IEC 60947-7-1					
500	500		500 (*)	500	500

The /GR tag indicates the grey colour version.

grey version	
CARATTERISTICHE TECNICHE	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
altezza / larghezza / spessore	G32

### APPROVALS

ACCESSORIES	
End sections	grey beige
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Spina di derivazione	
Fusibile miniatura	$\varnothing 5 \times 20$ mm
Elemento conduttore	$\varnothing 5 \times 20$ mm
Lampada al neon	$\varnothing 6 \times 26$ mm
LED circuit composed by:	
- 2 contacts	
- 1 micro-circuit	
- 1 transparent cover	
Terminal block with LED 12 ÷ 48 V non polarised micro-circuit	
Terminal block with LED 115 ÷ 230 V non polarised micro-circuit	
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

HFR.4/M/GR	Cat. No. HF310GR
$\varnothing 5 \times 20$ mm fuse-holder	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
500 V / 6,3 A (10 A con CO/5) / A4	
-	
4 kV / 3	
13	
-	
70 / 78 / 6,2	
78 / 78 / 6,2	
- / - / -	

KEMA-KEUR, UL pending

HFR.4/GR	Cat. No. HF210GR
$\varnothing 6,3 \times 32$ mm fuse-holder	4
0,2 ÷ 6	
0,2 ÷ 6	
4 - WP40/16	
500 V / 10 A / A4	
-	
4 kV / 3	
13	
-	
70 / 78 / 8,2	
78 / 78 / 8,2	
- / - / -	

KEMA-KEUR, UL pending

(\*): Only for the connection of max. two adjacent terminal blocks  
It is possible to cross-connect terminal block HFR.4/M/GR also with types HMM.4/... positioned immediately adjacent

Type	Cat. No.
HFR.4/PT/GR	HF211GR
-	
PTC/5/02 poli	PTC0502
PTC/5/03 poli	PTC0503
PTC/5/05 poli	PTC0505
PTC/5/10 poli	PTC0510
PTC/5/00 (40 poli)	PTC0500
32	
PTC/SP	PTC0990
-	
DFH/4	DH04..
SDD/1	DD001
F5/...	FN...
CO/5	VL103
CIL/HFR/M/12-48	HF518M
CIL/HFR/M/115-230	HF510M
HFR.4/M/GR/C12-48	HF918MGR
HFR.4/M/GR/C115-230	HF910MGR
CNU/8/61	NU0861
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

Type	Cat. No.
HFR.4/PT/GR	HF211GR
-	
PTC/5/02 poli (*)	PTC0502
32	
PTC/SP	PTC0990
-	
-	
SDD/1	DD001
-	
-	
LSN	FL202
CIL/HFR/M/12-48	HF518
CIL/HFR/M/115-230	HF510
HFR.4/GR/C12-48	HF918GR
HFR.4/GR/C115-230	HF910GR
CCH/2,5-4	CCH02
-	
-	
BTU per PR/DIN e PR/3	BT005
BTO	BT007
BT/3 solo per PR/3	BT003
-	
PR/3/AC in acciaio	PR003
PR/3/AS idem con asole	PR005

# H Series

## with polyamide insulating body

- for 5.08 mm pitch female connectors - on two levels
- mounting onto PR/3 type rails – according to IEC 60715 Std., “TH/35” type
- double possibility to house PTC – “easy bridge” multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
320	320		320	320	320

The /GR tag indicates the grey colour version.

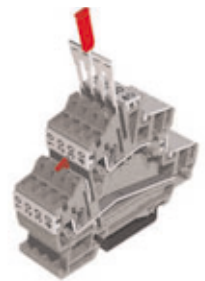
grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section (mm <sup>2</sup> )	
connecting capacity	
flexible (mm <sup>2</sup> )	
rigid (mm <sup>2</sup> )	
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	
rated voltage / rated current / AWG	UL
(Ex e) rated voltage  /  (V)	
rated impulse withstand voltage / pollution degree	
insulation stripping length (mm)	
tightening torque value (test / max) (Nm)	
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32
APPROVALS	
ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper (A)	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Lug protection cover	10 poles
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

<b>HCD.1/GR</b>	Cat. No. <b>HC200GR</b>
<b>HCD.1 (Ex)i</b>	Cat. No. <b>HC210</b>
2 level feed-through with 2 screw connections and 2 pins for connectors 1,5	
0,2 ÷ 2,5	
0,2 ÷ 2,5	
1,5 - WP15/14	
320 V / 12 A / B2	
300 V / 12 A / 26-14 AWG	
-	
6 KV / 3	
10	
-	
59 / 72 / 5,08	
67 / 72 / 5,08	
- / - / -	



Type	Cat. No.
<b>HCD.1/PT/GR</b>	HC201GR
-	
<b>HCD.1/PT(Ex)i</b>	HC211
<b>PTC/2/02</b> poles	PTC0202
<b>PTC/2/03</b> poles	PTC0203
<b>PTC/2/05</b> poles	PTC0205
<b>PTC/2/10</b> poles	PTC0210
<b>PTC/2/00</b> (50 poles)	PTC0200
<b>24</b>	
-	
-	
<b>DFU/7</b>	DU07..
<b>DFM/500</b>	DF500
-	
-	
-	
<b>VPC/VT</b>	VP102
<b>CNU/8/51</b>	NU0851
<b>CCH/2,5-4</b>	CCH02
<b>CNU/8/51</b>	NU0851
<b>BTO</b>	BT007
-	
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005

detail of PTC jumper with DFM/500 barriers, SNZ/508 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



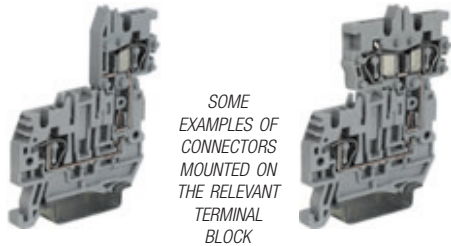
Female connectors, 90° - 5.08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector is hooked onto the insulating body of the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

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

# H Series

## with polyamide insulating body

- spring system with connector plug (patented)
- Easy Bridge cross connection system (patented)
- available in grey RAL 7042 colour



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING

Terminal block	Jumper	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1				
HVPC.2/GR	PTC/03	500	500	500 (*)	500	500
CHP2(D)/GR	PTC/03	500 (630)	500	400 (*)	-	-

The /GR tag indicates the grey colour version.

(\*) with end plate interposed also on the connector (\*\*) dimensions with inserted connector

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

HVPC.2/GR	
Cat. No. HVP300GR	
spring type for connectors	2,5
	0,2 ÷ 4
	0,2 ÷ 4
	2,5 - WP25/14
	800 V / 24 A / A3
	-
	8 KV / 3
	13
	-
	41 / 50 / 5,2
	49 / 50 / 5,2
	- / - / -

CHP.2/GR	
Cat. No. HVP900GR	
female connector for one conductor	2,5
	0,2 ÷ 4
	0,2 ÷ 4
	2,5 - WP25/14
	500 V / 24 A / A3
	-
	8 KV / 3
	13
	-
	67 (**)/ 58 (**)/ 5,2
	75 (**)/ 58 (**)/ 5,2
	-

CHP.2D/GR	
Cat. No. HVP910GR	
female connector for two conductors	2,5
	0,2 ÷ 4
	0,2 ÷ 4
	2,5 - WP25/14
	500 V / 24 A / A3
	-
	8 KV / 3
	13
	-
	67 (**)/ 58 (**)/ 5,2
	75 (**)/ 58 (**)/ 5,2
	-

### APPROVALS



UL and cUL pending



UL and cUL pending



UL and cUL pending

ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Lug protection cover	10 poles
Numbering strip	
Screwdriver for the activation of the spring	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HVPC.2/PT/GR	HVP301GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
BTU for PR/DIN and PR/3	BT005
BTO	BT007
BT/3 for PR/3 only	BT003
-	
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

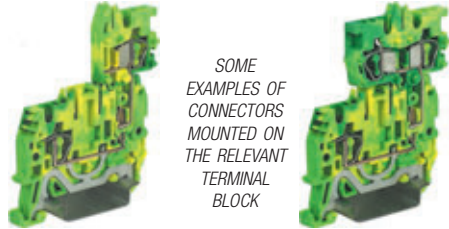
Type	Cat. No.
CHP2/PT/GR	HVP901GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
-	
-	

Type	Cat. No.
CHP.2D/PT/GR	HVP911GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
-	
DFH/1	DH01..
-	
SDD/1	DD001
SDH/5	DH005
SH5/PT	DH501
-	
CNU/8/51	NU0851
CCH/2,5-4	CCH02
CNU/8/51	NU0851
-	
-	
-	

# H Series

## with polyamide insulating body

- spring system with connector plug for earth connections (patented)
- Easy Bridge cross connection system (patented)



SOME EXAMPLES OF CONNECTORS MOUNTED ON THE RELEVANT TERMINAL BLOCK



(\*\*) dimensions with inserted connector

yellow/green version	HVTE.2 Cat. No. HVT500	CHTE.2 Cat. No. HVT900	CHTE.2D Cat. No. HVT910
<b>TECHNICAL CHARACTERISTICS</b>			
function / type	earth spring type for connectors	female connector for one conductor	female connector for two conductors
rated cross-section (mm <sup>2</sup> )	2,5	2,5	2,5
connecting capacity			
flexible (mm <sup>2</sup> )	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm <sup>2</sup> )	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A3
rated voltage / rated current / AWG UL	-	-	-
(Ex e) rated voltage  /  (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / max) (Nm)	-	-	-
height / width / thickness  TH/35 7,5 mm	41 / 50 / 5,2	67 (**)/ 58 (**)/ 5,2	67 (**)/ 58 (**)/ 5,2
height / width / thickness  TH/35 15 mm	49 / 50 / 5,2	75 (**)/ 58 (**)/ 5,2	75 (**)/ 58 (**)/ 5,2
height / width / thickness  G32	- / - / -	-	-
<b>APPROVALS</b>	UL and cUL pending	UL and cUL pending	UL and cUL pending
<b>ACCESSORIES</b>	<b>Type</b> <b>Cat. No.</b>	<b>Type</b> <b>Cat. No.</b>	<b>Type</b> <b>Cat. No.</b>
End sections yellow/green	<b>HVPC.2/PT/GR</b> HVP301GR	<b>CHP.2/PT/GR</b> HVP301GR	<b>CHP.2D/PT/GR</b> HVP911GR
Permanent cross connection (intrinsically IPXXB protected once mounted)	-	<b>PTC/03/02</b> poles PTC0302 <b>PTC/03/03</b> poles PTC0303 <b>PTC/03/05</b> poles PTC0305 <b>PTC/03/10</b> poles PTC0310 <b>PTC/03/00</b> (47 poles) PTC0300	<b>PTC/03/02</b> poles PTC0302 <b>PTC/03/03</b> poles PTC0303 <b>PTC/03/05</b> poles PTC0305 <b>PTC/03/10</b> poles PTC0310 <b>PTC/03/00</b> (47 poles) PTC0300
Rated current carrying capacity of jumper (A)	<b>24</b>	<b>24</b>	<b>24</b>
Multiple common bar 250 mm	<b>PTC/SP</b> PTC0990	<b>PTC/SP</b> PTC0990	<b>PTC/SP</b> PTC0990
Shunting screw and sleeve	-	-	-
Coloured partition red, green, white	<b>DFH/1</b> DH01..	<b>DFH/1</b> DH01..	<b>DFH/1</b> DH01..
Cross connection barrier red	-	-	-
Test plug socket	-	-	-
Test plug	<b>SDD/1</b> DD001	<b>SDD/1</b> DD001	<b>SDD/1</b> DD001
Modular test plug	-	<b>SDH/5</b> DH005	<b>SDH/5</b> DH005
End section for modular test plug	-	<b>SH5/PT</b> DH501	<b>SH5/PT</b> DH501
Lug protection cover 10 poles	-	-	-
Numbering strip	<b>CNU/8/51</b> NU0851	<b>CNU/8/51</b> NU0851	<b>CNU/8/51</b> NU0851
Screwdriver for the activation of the spring	<b>CCH/2,5-4</b> CCH02	<b>CCH/2,5-4</b> CCH02	<b>CCH/2,5-4</b> CCH02
Marking tag printed or blank	<b>CNU/8/51</b> NU0851	<b>CNU/8/51</b> NU0851	<b>CNU/8/51</b> NU0851
End bracket	<b>BTU</b> for PR/DIN and PR/3 BT005 <b>BT0</b> BT007 <b>BT/3</b> for PR/3 only BT003	-	-
Mounting rail according to IEC 60715 Std.	-	-	-
	<b>PR/3/AC</b> of steel PR003 <b>PR/3/AS</b> same with slots PR005	-	-

# H Series

## Mini terminal blocks with polyamide insulating body

- UL94V-0
- mounting onto PR/2 type rails, TH/15 type
- available in standard (grey RAL 7035 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Modular test plug



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	500	400

The /GR tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/15 5,5 mm

HPP.2/GR	Cat. No. HP170GR
HPP.2 (Ex)i	Cat. No. HI132
feed-through	2,5
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
(*)	(*)
8 KV / 3	8 KV / 3
13	13
-	-
35 / 36 / 5,2	35 / 36 / 5,2

HP.2/GR	Cat. No. HP150GR
HP.2 (Ex)i	Cat. No. HI130
feed-through	2,5
0,2 ÷ 4	0,2 ÷ 4
2,5 - WP25/14	2,5 - WP25/14
800 V / 24 A / A3	800 V / 24 A / A3
600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
(*)	(*)
8 KV / 3	8 KV / 3
13	13
-	-
30 / 36 / 5,2	30 / 36 / 5,2

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm<sup>2</sup>.

The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.

The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

### APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Coloured partition	red, green, white
Numbering strip	
Screwdriver for the activation of the spring	
Modular test plug	
End section for modular test plug	
Test plug	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HP/PT/GR	HP101GR
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFF/2	DFF2..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	-
-	-
-	-
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

Type	Cat. No.
HPV/PT/GR	HV111GR
-	-
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
24	
PTC/SP	PTC0990
DFF/2	DFF2..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	-
-	-
-	-
-	-

**SUGGESTED COMPOSITION:** for the mounting of terminal boards formed by terminal blocks type **HPP.2/GR** it is highly recommended to use together **HP.2/GR** and **HPP.2/GR** in a 4 to 1 ratio. Whenever there is the need to dismount the terminal board assembled in such a way, it is recommended to separate each group composed by a **HPP.2/GR** and dismount them one at a time, with the aid of an appropriate screwdriver (CCH/2,5-4) and acting in the appropriate slots of the insulating wall of the terminal blocks



# HPC Series

## with polyamide insulating body

- UL94V-0
- panel mount by means of clips
- panel thickness 0,6 ÷ 1,2 mm
- fixing hole Ø 3,5 mm
- available in standard (grey RAL 7042 colour) or (Ex) i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated



Modular test plug



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	400	400

The **/GR** tag indicates the grey colour version.

grey version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/15 5,5 mm

<b>HPC.2/GR</b>	Cat. No. <b>HP160GR</b>
<b>HPC.2 (Ex)i</b>	Cat. No. <b>HI131</b>
passante	2,5
	0,2 ÷ 4
	0,2 ÷ 4
	2,5 - WP25/14
	800 V / 24 A / A3
	600 V / 24 A / 24-12 AWG
	(*)
	8 KV / 3
	13
	-
	30 / 36 / 5,2

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm<sup>2</sup>.

The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.

The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

### APPROVALS



ACCESSORIES	
End sections	grey blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Cross connection identification strip (100 mm)	green
Coloured partition	red, green, white
Numbering strip	
Screwdriver for the activation of the spring	
Modular test plug	
End section for modular test plug	
Test plug	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
HPV/PT/GR	HV111GR
-	
PTC/03/02 poles	PTC0302
PTC/03/03 poles	PTC0303
PTC/03/05 poles	PTC0305
PTC/03/10 poles	PTC0310
PTC/03/00 (47 poles)	PTC0300
<b>24</b>	
PTC/SP	PTC0990
DFF/2	DH02..
SHZ/2	SH001
CCH/2,5-4	CCH02
SDH/5	DH005
SH5/PT	DH501
SDD/1	DD001
BT/2 for PR/2 only	BT006
-	
-	
-	
PR/2/AC of steel	PR009
PR/2/AS same with slots	PR010

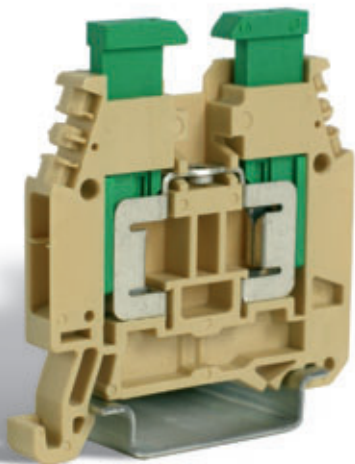
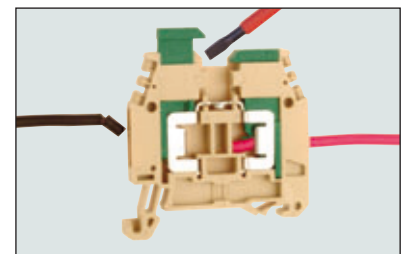
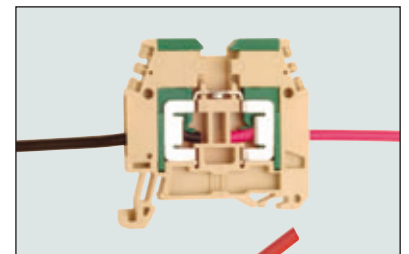
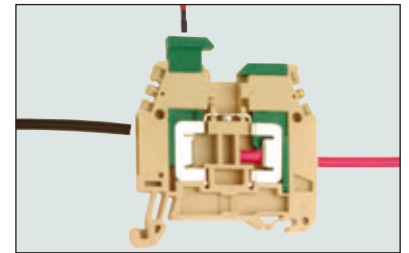
# Insulation displacement terminal blocks

**NCS** terminal block is an excellent solution for the quick and safe connection of conductors having small cross-section. This system in fact minimises connection time as neither preparing the conductor nor tightening the screws is necessary. All that needs to be done is to trim the conductor and, unlike what happens in other types of connection that require an appropriate insulation stripping, introduce the end of the wire in the upper part of the conductor insertion hole. At this point the simple action, performed by the operator's fingers or with the aid of a screwdriver, of applying pressure on the tapper, guides the conductor through a fork in the conducting body, with a resulting cut in the insulation and thus creating electrical contact.

In operational position, the conductor is placed in the lower part of its introduction hole. What needs to be pointed out is that the described connection can either be performed without any tool or simply with the aid of a normal screwdriver, always at hand for any operator.

The metallic part, which covers both the functions of conducting body and wire connections, is made in a special copper alloy; it ensures the best resistance to every aggressive agent and, thanks to its own elasticity, a high number of operations (more than 50), always guaranteeing reliable electrical contacts. The particular shape and angle of the fork, suited for the displacement of the insulation and to the contact, further avoids the conductor from accidentally slipping out of place. It is equally simple to remove the conductor from the terminal block: once again, with the use of a screwdriver (please refer to the image) it is

possible to lift the tapper which, in its lower part, is shaped in a way as to pull the conductor out of the contact area with the fork, freeing it for the extraction. Once extracted, if the conductor must be re-connected, it must be trimmed and the above described procedure must be repeated once again.



**Note:**

alongside the NCS terminal block, the NCV version is also available: this version offers on one side the I.D.C. (Insulation Displacement Connection), and on the other the traditional screw-clamp connection. Such solution can become particularly useful in case of "field" needs of larger conductors (up to a maximum of 6 mm<sup>2</sup>) or where is nevertheless requested to guarantee to the end user the use of screw-clamp connection.

# NCS/V Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type



beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm <sup>2</sup> )
connecting capacity	
flexible	(mm <sup>2</sup> )
rigid	(mm <sup>2</sup> )
max. flexible with ferrule (mm <sup>2</sup> )-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG / tightening torque value	UL
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

NCS	Cat. No.	NC100
feed-through		
		1,5
		0,5 ÷ 1,5
		0,5 ÷ 1
		-
		800 V / 15 A / -
		600 V / 15 A / 20-16 AWG
		8 KV / 3
		-
		47 (53 with taper raised) / 48 / 6,2
		53 (61 with taper raised) / 48 / 6,2
		-

NCV	Cat. No.	NC200
version with 1 screw connection		
		4 / 1,5
		0,2 ÷ 6 / 0,5 ÷ 1,5
		0,2 ÷ 6 / 0,5 ÷ 1
		4 - WP40/16 (screw connection side)
		800 V / 15 A / A4
		600 V / 15 A / 20-16 AWG / 8,9 lb.in.
		8 KV / 3
		-
		47 (53 with taper raised) / 48 / 6,2
		53 (61 with taper raised) / 48 / 6,2
		-

## APPROVALS



ACCESSORIES	
End sections	grey beige blue
Permanent cross connection (intrinsically IPXXB protected once mounted)	
Rated current carrying capacity of jumper	(A)
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Numbering strip	
Screwdriver for the activation of the spring	
Warning plate	on adjacent terminal blocks
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
-	
<b>NCS/PT</b>	NC101
-	
<b>POF/99</b>	POF99
-	
<b>24</b>	
<b>PMP/02</b>	PMP02
<b>CPM/99</b>	CPM99
<b>DFU/02</b>	DU02..
-	
-	
-	
<b>SHZ/60</b>	SH007
-	
-	
<b>CNU/8/51</b>	NU0851
<b>CSC</b>	CS...
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005

Type	Cat. No.
-	
<b>NCS/PT</b>	NC101
-	
<b>POF/99</b>	POF99
-	
<b>24</b>	
<b>PMP/02</b>	PMP02
<b>CPM/99</b>	CPM99
<b>DFU/02</b>	DU02..
-	
-	
-	
<b>SHZ/60</b>	SH007
-	
-	
<b>CNU/8/51</b>	NU0851
<b>CSC</b>	CS...
<b>BTU</b> for PR/DIN and PR/3	BT005
<b>BTO</b>	BT007
<b>BT/3</b> for PR/3 only	BT003
-	
<b>PR/3/AC</b> of steel	PR003
<b>PR/3/AS</b> same with slots	PR005