

Marshalling panel - PTRV 8 BU/RDWH - 3270135

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Marshalling panel, nom. voltage: 250 V, nominal current: 8 A, cross section: 0.14 mm² - 2.5 mm², AWG: 14 - 26, connection method: Push-in connection, number of positions: 2, number of connections: 32, width: 8.3 mm, length: 100 mm, color: blue, color of connection elements: red, white, mounting: NS 35/7,5, NS 35/15

Your advantages

- ✓ Blue version for using in intrinsically safe circuits in potentially explosive areas (type of protection Ex i)
- ✓ High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- ✓ Individual color assignment of cable and terminal point to ensure error-free, safe operation
- ✓ Tool-free wiring in a confined space thanks to compact size
- ✓ The 2.3 mm test connection enables testing between the conductors with test pins commonly used in the industry

RoHS

Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 055626 046693
GTIN	4055626046693
Weight per Piece (excluding packing)	37.490 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of positions	2
Number of levels	8
Number of connections	32
Potentials	8
Nominal cross section	1.5 mm ²
Color	blue
Color of connection elements	red (4x top)

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Technical data

General

	white (4x bottom)
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.56 W (the value is multiplied when connecting multiple levels)
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Nominal current I _N	8 A
Nominal voltage U _N	250 V
Open side panel	Yes
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	8.3 mm
Length	100 mm
Height NS 35/7,5	87.5 mm
Height NS 35/15	95 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14

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Technical data

Connection data

Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm ²
Stripping length	8 mm ... 10 mm

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897

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Classifications

ETIM

ETIM 5.0	EC000897
ETIM 6.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

DNV GL / CSA / UL Recognized / KEMA-KEUR / cUL Recognized / IECCEB Scheme / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

DNV GL		http://exchange.dnv.com/tari/	TAE000016Y
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm²/AWG/kcmil	26-14	26-14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	D		
Nominal voltage UN	300 V		
Nominal current IN	10 A		
mm²/AWG/kcmil	26-14		

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Approvals

KEMA-KEUR		http://www.dekra-certification.com	71-102890
Nominal voltage UN	250 V		
Nominal current IN	8 A		
mm²/AWG/kcmil	0.14-2.5		

cUL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		D		
Nominal voltage UN				
Nominal current IN				
mm²/AWG/kcmil				

IECEE CB Scheme			http://www.iecee.org/	NL-50733	
Nominal voltage UN					250 V
Nominal current IN					8 A

EAC		B.01742	
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EAC		RU C- DE.AI30.B.01102	
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cULus Recognized			
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Accessories

Accessories

DIN rail

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Accessories

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

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Accessories

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

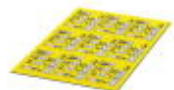
End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

Documentation

Mounting material - PT-IL - 3208090



Operating decal for the push-in Technology

End block

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Accessories

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

End cover

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Accessories

End cover - D-PTRV 8 WH - 3270154



End cover, length: 100 mm, width: 3.8 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 1-8 - 3270155



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 1-8 LGS - 3270240



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 8-1 - 3270242



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 8-1 LGS - 3270244



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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Accessories

End cover - D-PTRV 8 WH 1-16 - 3270228



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 1-16 LGS - 3270229



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 9-16 - 3270211



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 9-16 LGS - 3270212



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 17-24 - 3270213



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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Accessories

End cover - D-PTRV 8 WH 17-24 LGS - 3270214



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 25-32 - 3270215



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH 25-32 LGS - 3270216



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH A-H - 3270156



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH A-H LGS - 3270241



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

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Accessories

End cover - D-PTRV 8 WH H-A - 3270243



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

End cover - D-PTRV 8 WH H-A LGS - 3270245



End cover, length: 100 mm, width: 2.2 mm, height: 80.8 mm, color: white

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, color: blue

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Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



Labeled terminal marker

Zack marker strip - ZB 8,3,LGS:FORTL.ZAHLEN - 0803480



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

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Accessories

Zack marker strip - ZB 8,3,QR:FORTL.ZAHLEN - 0803479



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

Zack marker strip - ZB 8,3 CUS - 8191573



Zack marker strip, Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

Marker for terminal blocks - TM-PTRV 8,QR:1-8 - 0803468



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2,4x 9,2 mm

Marker for terminal blocks - TM-PTRV 8,QR:8-1 - 0803470



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2,4x 9,2 mm

Marker for terminal blocks - TM-PTRV 8,QR:A-H - 0803471



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2,4x 9,2 mm

Marshalling panel - PTRV 8 BU/RDWH - 3270135

Accessories

Marker for terminal blocks - TM-PTRV 8,QR:H-A - 0803473



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2,4x 9,2 mm

Mounting material

Retaining bracket - CDC-PTRV - 3270167



Retaining bracket, via four PTRV single modules, pitch: 8.3 mm, width: 35.6 mm, height: 71.5 mm, color: gray

Partition plate

Spacer plate - DP-PTRV 8 - 3270166



Spacer plate, length: 100 mm, width: 8.3 mm, height: 86 mm, color: gray

Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Actuation tool - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

Terminal marking

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Accessories

Zack marker strip - ZB 8,3:UNBEDRUCKT - 0803444



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 8.3 mm, lettering field size: 10.5 x 8.3 mm

Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, color: gray

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray