Marshalling panel - PTRV 8 BU/WHRD

3270134

https://www.phoenixcontact.com/us/products/3270134

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Marshalling panel, nom. voltage: 250 V, nominal current: 8 A, connection method: Push-in connection, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level, Rated cross section: 1.5 mm^2, cross section: 0.14 mm^2 - 2.5 mm^2, mounting: NS 35/7,5, NS 35/15, color: blue, color of connection elements: white, red

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

Commercial Data

Item number	3270134
Packing unit	1 pc
Minimum order quantity	10 pc
Sales Key	B02
Product Key	BE6211
Catalog Page	Page 50 (C-1-2019)
GTIN	4055626046686
Weight per Piece (including packing)	37.42 g
Weight per Piece (excluding packing)	37 g
Customs tariff number	85369010
Country of origin	PL

Technical Data

Product properties

Product type	Marshalling terminal
Number of positions	2
Number of connections	32
Number of rows	8
Potentials	8

Insulation characteristics

Overvoltage category	III

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	4
Nominal cross section	1.5 mm²

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level

Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	0.14 mm² ... 2.5 mm²
Cross section AWG	26 ... 14
Conductor cross section flexible	0.14 mm² ... 1.5 mm²
Conductor cross section, flexible [AWG]	26 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm² ... 1.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 1.5 mm²
Nominal current	8 A
Maximum load current	8 A (with 1.5 mm² conductor cross section)
Nominal voltage	250 V
Nominal cross section	1.5 mm²

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level Connection cross sections directly pluggable

Conductor cross section solid	0.34 mm² ... 2.5 mm²
Conductor cross section, solid [AWG]	20 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm² ... 1.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² ... 1.5 mm²

Dimensions

Width	8.3 mm
Height NS 35/15	95 mm

Height NS 35/7,5	87.5 mm
Length	100 mm

Material specifications

Color	blue
Color of connection elements	white (4x top)
	red (4x bottom)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Mechanical properties

Mechanical data

Open side panel	Yes

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

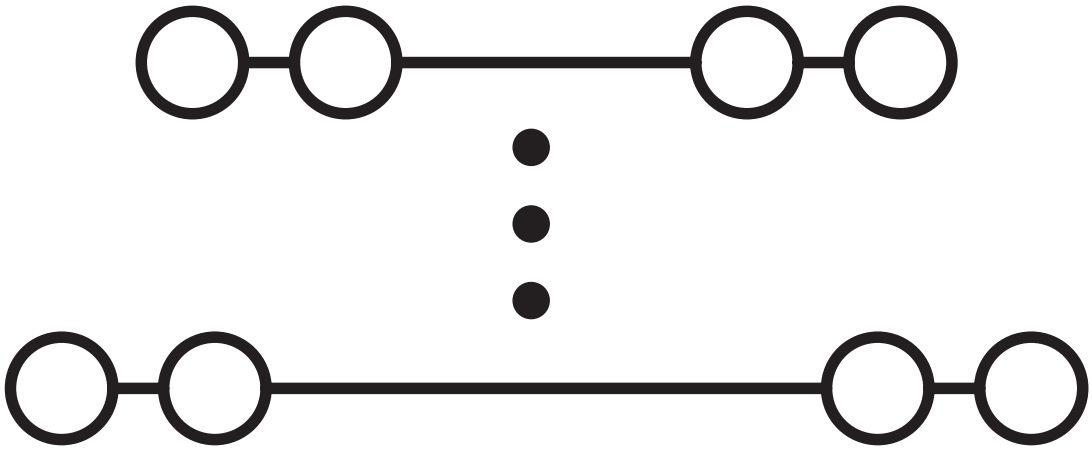
Connection in acc. with standard	IEC 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15

Drawings

Circuit diagram



Approvals

DNV
Approval ID: TAE000016Y

CSA
Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	300 V	10 A	26 - 14	-
Use group D				
	300 V	10 A	26 - 14	-

IECEE CB Scheme
Approval ID: NL-58817

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	8 A	-	-

EAC
Approval ID: RU C-DE.BL08.B.00682

cULus Recognized
Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group D				
	300 V	10 A	26 - 14	-

KEMA-KEUR
Approval ID: 71-102890

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Only flexible conductors	250 V	8 A	-	0.14 - 1.5
Only rigid conductors	250 V	8 A	-	0.14 - 2.5

EAC
Approval ID: B.01687

Classifications

ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897

UNSPSC

UNSPSC 21.0	

Environmental Product Compliance

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

Accessories

Screwdriver

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

https://www.phoenixcontact.com/us/products/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

Reducing plug

Reducing plug - RPS - 0201647

https://www.phoenixcontact.com/us/products/0201647



Reducing plug, color: gray

Spacer plate

Spacer plate - DP-PTRV 8 - 3270166

https://www.phoenixcontact.com/us/products/3270166



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

Mounting material

Mounting material - PT-IL - 3208090

https://www.phoenixcontact.com/us/products/3208090

Operating decal for the push-in Technology



DIN rail perforated

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

https://www.phoenixcontact.com/us/products/0801733



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail perforated

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

https://www.phoenixcontact.com/us/products/1204119



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail perforated

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

https://www.phoenixcontact.com/us/products/1206421

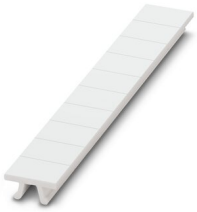


DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

Zack marker strip

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

https://www.phoenixcontact.com/us/products/0803444



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

Zack marker strip

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

https://www.phoenixcontact.com/us/products/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

Zack marker strip

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

https://www.phoenixcontact.com/us/products/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

Zack marker strip - ZB 8,3 CUS - 8191573

https://www.phoenixcontact.com/us/products/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

Actuation tool

Actuation tool - ST-BW 0 - 1200135

https://www.phoenixcontact.com/us/products/1200135



Actuation tool, for all 1.5 mm^2 spring cages from PT 1,5/S and FT 1,5/S

End clamp

End clamp - CLIPFIX 35 - 3022218

https://www.phoenixcontact.com/us/products/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

End clamp - CLIPFIX 35-5 - 3022276

https://www.phoenixcontact.com/us/products/3022276

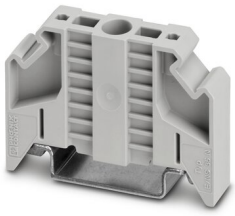


Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5. 15 mm, color: gray

End clamp

End clamp - E/NS 35 N - 0800886

https://www.phoenixcontact.com/us/products/0800886

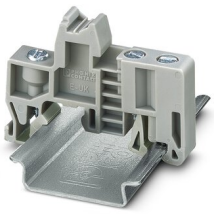


End clamp, width: 9.5 mm, color: gray

End clamp

End clamp - E/UK - 1201442

https://www.phoenixcontact.com/us/products/1201442



End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35

End clamp

End clamp - E/UK 1 - 1201413

https://www.phoenixcontact.com/us/products/1201413



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

End cover

End cover - D-PTRV 8 WH - 3270154

https://www.phoenixcontact.com/us/products/3270154



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

End cover

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

https://www.phoenixcontact.com/us/products/3270155



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

End cover

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

https://www.phoenixcontact.com/us/products/3270240



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

End cover

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

https://www.phoenixcontact.com/us/products/3270242



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

End cover

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

https://www.phoenixcontact.com/us/products/3270244



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

End cover

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

https://www.phoenixcontact.com/us/products/3270228



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

End cover

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

https://www.phoenixcontact.com/us/products/3270229



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

End cover

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

https://www.phoenixcontact.com/us/products/3270211



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

End cover

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

https://www.phoenixcontact.com/us/products/3270212



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

End cover

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

https://www.phoenixcontact.com/us/products/3270213



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

End cover

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

https://www.phoenixcontact.com/us/products/3270214



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

End cover

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

https://www.phoenixcontact.com/us/products/3270215



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

End cover

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

https://www.phoenixcontact.com/us/products/3270216



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

End cover

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

https://www.phoenixcontact.com/us/products/3270156



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

End cover

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

https://www.phoenixcontact.com/us/products/3270241



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

End cover

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

https://www.phoenixcontact.com/us/products/3270243



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

End cover

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

https://www.phoenixcontact.com/us/products/3270245



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

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

https://www.phoenixcontact.com/us/products/0201663

Insulating sleeve, color: white



Insulating sleeve

Insulating sleeve - MPS-IH RD - 0201676

https://www.phoenixcontact.com/us/products/0201676

Insulating sleeve, color: red

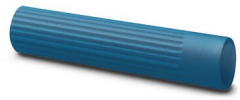


Insulating sleeve

Insulating sleeve - MPS-IH BU - 0201689

https://www.phoenixcontact.com/us/products/0201689

Insulating sleeve, color: blue



Insulating sleeve

Insulating sleeve - MPS-IH YE - 0201692

https://www.phoenixcontact.com/us/products/0201692

Insulating sleeve, color: yellow



Insulating sleeve

Insulating sleeve - MPS-IH GN - 0201702

https://www.phoenixcontact.com/us/products/0201702

Insulating sleeve, color: green



Insulating sleeve

Insulating sleeve - MPS-IH GY - 0201728

https://www.phoenixcontact.com/us/products/0201728

Insulating sleeve, color: gray



Insulating sleeve

Insulating sleeve - MPS-IH BK - 0201731

https://www.phoenixcontact.com/us/products/0201731

Insulating sleeve, color: black

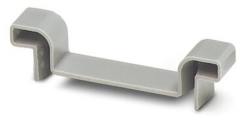


End cap

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

https://www.phoenixcontact.com/us/products/1206560

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



DIN rail, unperforated

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

https://www.phoenixcontact.com/us/products/0801681



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

https://www.phoenixcontact.com/us/products/1204122



DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

DIN rail, unperforated

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

https://www.phoenixcontact.com/us/products/0801704



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

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

https://www.phoenixcontact.com/us/products/1206434



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

https://www.phoenixcontact.com/us/products/0801762



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

Test plugs

Test plugs - MPS-MT - 0201744

https://www.phoenixcontact.com/us/products/0201744



Test plugs, with solder connection up to 1 mm^2 conductor cross section, color: gray

Marker for terminal blocks

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

https://www.phoenixcontact.com/us/products/0803468



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm, Number of individual labels: 2

Marker for terminal blocks

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

https://www.phoenixcontact.com/us/products/0803470



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm

Marker for terminal blocks

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

https://www.phoenixcontact.com/us/products/0803471



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm

Marker for terminal blocks

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

https://www.phoenixcontact.com/us/products/0803473



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 2.4 x 9.2 mm, Number of individual labels: 8

Retaining bracket

Retaining bracket - CDC-PTRV - 3270167

https://www.phoenixcontact.com/us/products/3270167



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

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