PTRV 8 /RD - Marshalling panel

3270231

https://www.phoenixcontact.com/us/products/3270231

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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: gray, color of connection elements: red

Your advantages

- Individual color assignment of cable and terminal point to ensure error-free, safe operation
- Marshalling terminal with red conductor connection chambers
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Tool-free wiring in a confined space thanks to compact size
- The 2.3 mm test pick-off enables testing between the conductors with commercially available test probes

Commercial data

Item number	3270231
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE62
Product key	BE6211
Catalog page	Page 50 (C-1-2019)
GTIN	4055626243245
Weight per piece (including packing)	37.35 g
Weight per piece (excluding packing)	37.35 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 rigid	0.14 mm² ... 2.5 mm²
Cross section AWG	26 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 1.5 mm²
Conductor cross section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without 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 rigid	0.34 mm² ... 2.5 mm²
Conductor cross section, rigid [AWG]	20 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without 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	100 mm
Depth on NS 35/7,5	87.5 mm
Depth on NS 35/15	95 mm

Material specifications

Color	gray
Color of connection elements	red
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))	125 °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)	27,5 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

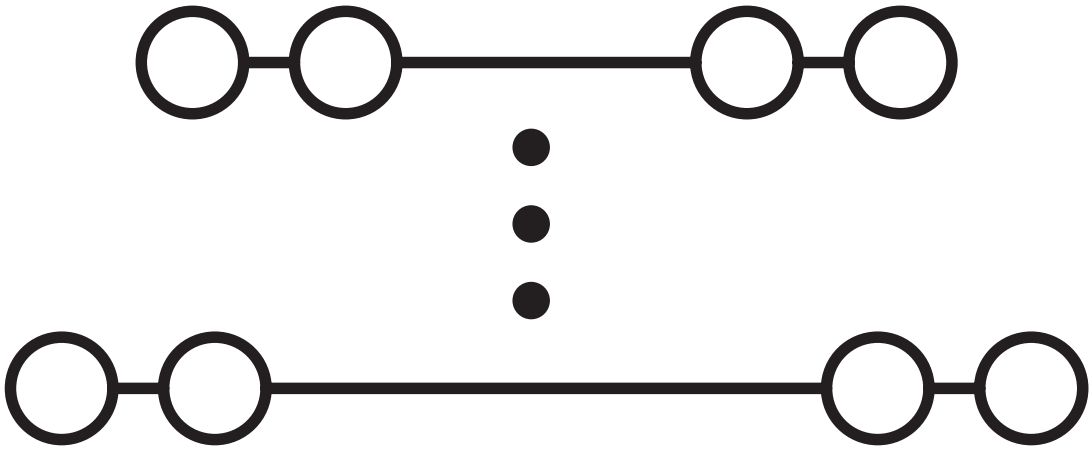
Connection in acc. with standard	IEC 60947-7-1

Mounting

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

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3270231

CSA
Approval ID: 2030668

CSA
Approval ID: 2030668

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

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

cULus Recognized
Approval ID: E60425

DNV
Approval ID: TAE000016Y

cULus Recognized
Approval ID: E60425

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250105

ETIM

ETIM 9.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Accessories

DP-PTRV 8 - Spacer plate

3270166

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

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

CDC-PTRV - Retaining bracket

3270167

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

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

RPS - Reducing plug

0201647

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

Reducing plug, number of positions: 1, color: gray

ZB 8,3:UNBEDRUCKT - Zack marker strip

0803444

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

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

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

0803480

https://www.phoenixcontact.com/us/products/0803480

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8.3 mm, lettering field size: 10. 5 x 8.3 mm

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

0803479

https://www.phoenixcontact.com/us/products/0803479

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8.3 mm, lettering field size: 10. 5 x 8.3 mm

ZB 8,3 CUS - Zack marker strip

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

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

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

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

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

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

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

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

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

D-PTRV 8 WH - End cover

3270154

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

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

D-PTRV 8 WH 1-8 - End cover

3270155

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

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

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

3270240

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

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

D-PTRV 8 WH 8-1 - End cover

3270242

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

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

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

3270244

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

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

D-PTRV 8 WH 1-16 - End cover

3270228

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

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

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

3270229

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

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

D-PTRV 8 WH 9-16 - End cover

3270211

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

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

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

3270212

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

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

D-PTRV 8 WH 17-24 - End cover

3270213

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

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

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

3270214

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

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

D-PTRV 8 WH 25-32 - End cover

3270215

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

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

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

3270216

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

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

D-PTRV 8 WH A-H - End cover

3270156

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

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

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

3270241

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

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

D-PTRV 8 WH H-A - End cover

3270243

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

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

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

3270245

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

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

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

0801733

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

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

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

0801681

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

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

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

1204119

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

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

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

1204122

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

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

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

0801704

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

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

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

1206421

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

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

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

1206434

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

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

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

0801762

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

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

NS 35/ 7,5 CAP - End cap

1206560

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

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

CLIPFIX 35 - End bracket

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

CLIPFIX 35-5 - End bracket

3022276

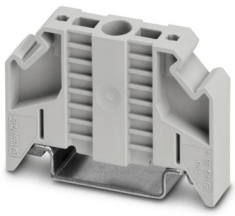
https://www.phoenixcontact.com/us/products/3022276

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

E/NS 35 N - End bracket

0800886

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



End clamp, width: 9.5 mm, color: gray

E/UK - End bracket

1201442

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

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

E/UK 1 - End bracket

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

MPS-MT - Test plug

0201744

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

Test plug, with solder connection up to 1 mm^2 conductor cross section, number of positions: 1, color: gray

MPS-IH WH - Insulating sleeve

0201663

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

Insulating sleeve, color: white

MPS-IH RD - Insulating sleeve

0201676

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

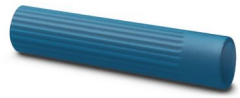
Insulating sleeve, color: red

MPS-IH BU - Insulating sleeve

0201689

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

Insulating sleeve, color: blue



MPS-IH YE - Insulating sleeve

0201692

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

Insulating sleeve, color: yellow

MPS-IH GN - Insulating sleeve

0201702

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

Insulating sleeve, color: green

MPS-IH GY - Insulating sleeve

0201728

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

Insulating sleeve, color: gray

MPS-IH BK - Insulating sleeve

0201731

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

Insulating sleeve, color: black

SZF 0-0,4X2,5 - Screwdriver

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

ST-BW 0 - Actuation tool

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

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