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Potential distributors - PTRVB 8-PV /RD - 3270226

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Potential distributors, Nom. voltage: 250 V, Nominal current: 17.5 A, Cross section: 0.14 mm² - 2.5 mm², AWG: 14 - 26, Connection type: Push-in connection, Number of positions: 2, Number of connections: 32, Width: 8.3 mm, Length: 100 mm, Color: gray, Color of connection elements: red, Assembly: NS 35/7,5, NS 35/15

Why buy this product

☑ Distributor terminal block in red for 24 V DC power supplies

☑ Bridgeable potential distributor

☑ 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

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
Weight per Piece (excluding packing)	54.000 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

Environmental Product Compliance

China RoHS	No hazardous substances above threshold values

General

Number of positions	2
Number of levels	8
Number of connections	32
Potentials	1
Nominal cross section	1.5 mm²
Color	gray

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Technical data

General

Color of connection elements	red
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Overvoltage category	III
Insulating material group	I
Maximum load current	32 A (The total current of the terminal block must not exceed 32 A)
Nominal current I_N	17.5 A (with 1.5 mm² conductor cross section)
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))	125 °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 mm²
Conductor cross section solid max.	2.5 mm²

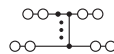# Potential distributors - PTRVB 8-PV /RD - 3270226

Technical data

Connection data

Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
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 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm²
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

Drawings

Circuit diagram

Classifications

eCl@ss

eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

Accessories

Accessories

Bridge

Potential distributors - PTRVB 8-PV /RD - 3270226

Accessories

Continuous plug-in bridge - FBST 500-PLC RD - 2966786

Continuous plug-in bridge, Length: 500 mm, Color: red

Continuous plug-in bridge - FBST 500-PLC GY - 2966838

Continuous plug-in bridge, Length: 500 mm, Color: gray

Continuous plug-in bridge - FBST 500-PLC BN - 2967976

Continuous plug-in bridge, Length: 500 mm, Color: brown

Continuous plug-in bridge - FBST 500-PLC BU - 2966692

Continuous plug-in bridge, Length: 500 mm, Color: blue

DIN rail

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

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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Accessories

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

DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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

DIN rail 35 mm (NS 35)

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

DIN rail 35 mm (NS 35)

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

DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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

DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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Accessories

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

DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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

DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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

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

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Accessories

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

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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, Length: 50.5 mm, Color: gray

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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

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End cover

End cover - D-PTRV 8 WH - 3270154

End cover, Length: 100 mm, Width: 2.2 mm, Height: 80.8 mm, Color: white

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Potential distributors - PTRVB 8-PV /RD - 3270226

Accessories

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

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

End cover, Length: 100 mm, Width: 2.2 mm, Height: 80.8 mm, Color: white

Potential distributors - PTRVB 8-PV /RD - 3270226

Accessories

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

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

Labeled terminal marker

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

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Lettering field: 10.5 x 8.3 mm

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

Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Lettering field: 10.5 x 8.3 mm

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Potential distributors - PTRVB 8-PV /RD - 3270226

Accessories

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, Lettering field: 10.5 x 8.3 mm

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

Marker for terminal blocks, white, labeled, Mounting type: Snap into tall marker groove, Lettering field: 2,4x 9,2 mm

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

Marker for terminal blocks, white, labeled, Mounting type: Snap into tall marker groove, Lettering field: 2,4x 9,2 mm

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

Marker for terminal blocks, white, labeled, Mounting type: Snap into tall marker groove, Lettering field: 2,4x 9,2 mm

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

Marker for terminal blocks, white, labeled, Mounting type: Snap into tall marker groove, Lettering field: 2,4x 9,2 mm

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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

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Partition plate

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Accessories

Spacer plate - DP-PTRV 8 - 3270166

Spacer plate, Length: 100 mm, Width: 8.3 mm, Height: 86 mm, Color: gray

Screwdriver tools

Screwdriver - 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

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

Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Lettering field: 10.5 x 8.3 mm