PHŒNIX CONTACT

Potential distributors - PTRV 8-PV BU/BK - 3270145

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

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: blue, Color of connection elements: black, Assembly: NS 35/7,5, NS 35/15

Why buy this product

☑ Potential distributor for distributing potentials up to 17.5 A in EXi areas

☑ 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 connection enables testing between the conductors with test pins commonly used in the industry

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
GTIN	4 046356 796200
GTIN	4046356796200
Weight per Piece (excluding packing)	34.000 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	1
Nominal cross section	1.5 mm²

Potential distributors - PTRV 8-PV BU/BK - 3270145

Technical data

General

Color	blue
Color of connection elements	black
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	20 A (for a conductor cross section of 2.5 mm², the total current of all connected conductors must not exceed the maximum load current.)
Nominal current I_N	17.5 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 mm²

Potential distributors - PTRV 8-PV BU/BK - 3270145

Technical data

Connection data

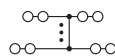|	
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
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

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	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

Potential distributors - PTRV 8-PV BU/BK - 3270145

Classifications

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897
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

UL Recognized / cUL Recognized / CSA / DNV GL / cULus Recognized

Ex Approvals

Approval details

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

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		D	
mm²/AWG/kcmil		26-14	

Potential distributors - PTRV 8-PV BU/BK - 3270145

Approvals

	D
Nominal current IN	10 A
Nominal voltage UN	300 V

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
		B	D
mm²/AWG/kcmil		26-14	26-14
Nominal current IN		10 A	10 A
Nominal voltage UN		300 V	300 V

DNV GL	https://www.dnvgl.com/	TAE000016Y

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Accessories

Accessories

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

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

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

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

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

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

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

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

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

PHŒNIX CONTACT

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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 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

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

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

PHŒNIX
CONTACT

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

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

PHŒNIX CONTACT

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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, 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: CMS-P1-PLOTTER, Mounting type: Snap into tall marker groove, Lettering field: 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: 10.5 x 8.3 mm

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

Marker for terminal blocks, white, labeled, Lettering field: 2,4x 9,2 mm

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

Marker for terminal blocks, white, labeled, Lettering field: 2,4x 9,2 mm

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

Marker for terminal blocks, white, labeled, Lettering field: 2,4x 9,2 mm

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

Marker for terminal blocks, white, labeled, Lettering field: 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

Potential distributors - PTRV 8-PV BU/BK - 3270145

Accessories

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

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: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, Lettering field: 10.5 x 8.3 mm