

## Potential distributors - PTRV 4-PV BU/BK - 3270126

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Potential distributors, Nom. voltage: 250 V, Nominal current: 17.5 A, Cross section: 0.14 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 14 - 26, Connection method: Push-in connection, Number of positions: 2, Number of connections: 16, Width: 8.3 mm, Length: 64 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

### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
GTIN	 4 046356 943826
GTIN	4046356943826
Weight per Piece (excluding packing)	18.000 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Number of positions	2
Number of levels	4
Number of connections	16
Potentials	1
Nominal cross section	1.5 mm <sup>2</sup>

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### 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 power dissipation for nominal condition	0.56 W (the value is multiplied when connecting multiple levels)
Maximum load current	20 A (in case of a 2.5 mm <sup>2</sup> conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	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	64 mm
Height NS 35/7,5	55.5 mm
Height NS 35/15	63 mm

#### Connection data

Connection method	Push-in connection
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## Technical data

### Connection data

Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Stripping length	8 mm ... 10 mm

### Standards and Regulations

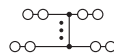
Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Drawings

Circuit diagram



## Approvals

### Approvals

Approvals


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


Ex Approvals

## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Approvals

#### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		D	
mm <sup>2</sup> /AWG/kcmil	26-14		
Nominal current IN	10 A		
Nominal voltage UN	300 V		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		D	
mm <sup>2</sup> /AWG/kcmil	26-14		
Nominal current IN	10 A		
Nominal voltage UN	300 V		

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
		B	D
mm <sup>2</sup> /AWG/kcmil	26-14	26-14	
Nominal current IN	10 A	10 A	
Nominal voltage UN	300 V	300 V	

DNV GL	<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	TAE000016Y
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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### Accessories

Accessories

DIN rail

## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

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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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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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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

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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

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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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

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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

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



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

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### Documentation

Mounting material - PT-IL - 3208090



Operating decal for the push-in Technology

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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

#### 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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##### 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

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##### 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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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

#### End cover

End cover - D-PTRV 4 WH - 3270151



End cover, Length: 63.6 mm, Width: 3.8 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH 1-4 - 3270152



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH 1-4 LGS - 3270234



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH 4-1 - 3270236



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH 4-1 LGS - 3270238



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

End cover - D-PTRV 4 WH A-D - 3270153



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH A-D LGS - 3270235



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH D-A - 3270237



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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End cover - D-PTRV 4 WH D-A LGS - 3270239



End cover, Length: 63.6 mm, Width: 2.2 mm, Height: 48.9 mm, Color: white

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### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

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Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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### 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, Lettering field: 10.5 x 8.3 mm

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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

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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

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Marker for terminal blocks - TM-PTRV 4,QR:1-4 - 0803464



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

## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

Marker for terminal blocks - TM-PTRV 4,QR:4-1 - 0803465



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

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Marker for terminal blocks - TM-PTRV 4,QR:A-D - 0803466



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

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Marker for terminal blocks - TM-PTRV 4,QR:D-A - 0803467



Marker for terminal blocks, white, labeled, Mounting type: snapped, 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

Spacer plate - DP-PTRV 4 - 3270163



Spacer plate, Length: 63.6 mm, Width: 8.3 mm, Height: 54 mm, Color: gray

## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

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#### 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

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Screwdriver - ST-BW 0 - 1200135



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

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#### 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

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#### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

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## Potential distributors - PTRV 4-PV BU/BK - 3270126

### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, Color: silver