

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

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 documentation. Our General Terms of Use for Downloads are valid.

---



Potential distributors, nom. voltage: 250 V, nominal current: 17.5 A, connection method: Push-in connection, 1st, 2nd, 3rd and 4th level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray, color of connection elements: blue

---

## Your advantages

- Potential distributor for distributing potentials up to 17.5 A
- 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

# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Commercial Data

Item number	3270247
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklennen
Product Key	BE6211
Catalog Page	Page 47 (C-1-2019)
GTIN	4055626282527
Weight per Piece (including packing)	17,15 g
Weight per Piece (excluding packing)	13 g
Customs tariff number	85369010
Country of origin	PL

## Technical Data

### Product properties

Product type	Potential distributor
Number of positions	2
Number of connections	16
Number of rows	4
Potentials	1

### 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 mm <sup>2</sup>

#### 1st, 2nd, 3rd and 4th level

Stripping length	8 mm ... 10 mm
Conductor cross section solid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	26 ... 14
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Nominal current	17.5 A
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 voltage	250 V
Nominal cross section	1.5 mm <sup>2</sup>

#### 1st, 2nd, 3rd and 4th level Connection cross sections directly pluggable

Conductor cross section solid	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, solid [AWG]	20 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>

### Dimensions

Width	8.3 mm
Height NS 35/15	63 mm

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

Height NS 35/7,5	55.5 mm
Length	64 mm

## Material specifications

Color	gray
Color of connection elements	blue
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

## Electrical tests

### Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed

### Temperature-rise test

Requirement temperature-rise test	Increase in temperature $\leq 45$ K
Result	Test passed
Short-time withstand current 1.5 mm <sup>2</sup>	0.18 kA
Short-time withstand current 2.5 mm <sup>2</sup>	0.3 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	1.5 kV
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## Mechanical tests

### Mechanical strength

Result	Test passed
--------	-------------

#### Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed

#### Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm <sup>2</sup> / 0.2 kg
	1.5 mm <sup>2</sup> / 0.4 kg
	2.5 mm <sup>2</sup> / 0.7 kg
Result	Test passed

### Environmental and real-life conditions

#### Aging

Temperature cycles	192
Result	Test passed

#### Needle-flame test

Time of exposure	30 s
Result	Test passed

#### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

#### Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

#### Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
---------------------------------	---

# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

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

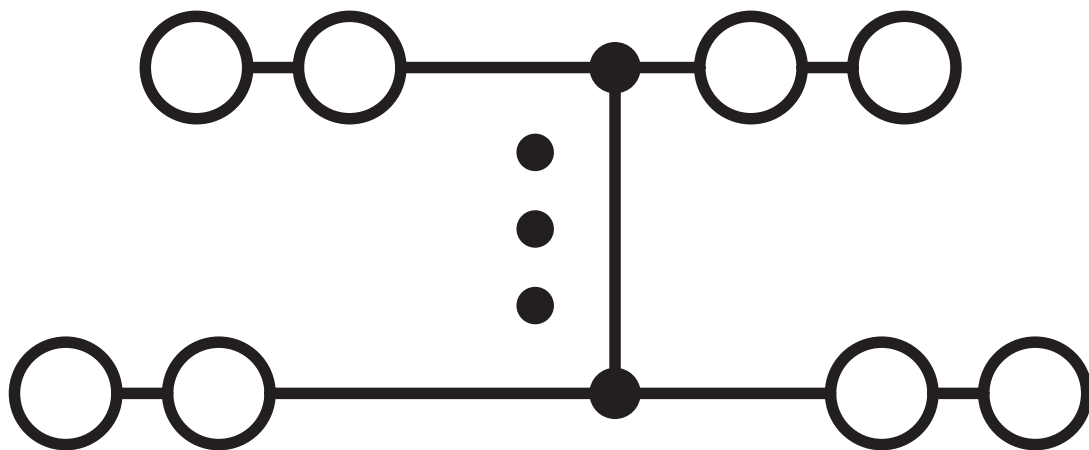
Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

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

## Drawings

Circuit diagram



# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Approvals

<b>DNV</b> Approval ID: TAE000016Y				
---------------------------------------	--	--	--	--

<b>CSA</b> 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	-

<b>IECEE CB Scheme</b> Approval ID: NL-58817				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
	250 V	17.5 A	-	-

<b>EAC</b> Approval ID: RU C-DE.BL08.B.00682				
---	--	--	--	--

<b>cULus Recognized</b> 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	-	-

<b>KEMA-KEUR</b> Approval ID: 71-102890				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $mm^2$
Only flexible conductors	250 V	17.5 A	-	0.14 - 1.5
Only rigid conductors	250 V	17.5 A	-	0.14 - 2.5

<b>cULus Recognized</b> 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	-	-



# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>



**EAC**

Approval ID: B.01687

# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC000897
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Environmental Product Compliance

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

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Accessories

### Spacer plate

Spacer plate - DP-PTRV 4 - 3270163

<https://www.phoenixcontact.com/de/produkte/3270163>

Spacer plate, length: 63.6 mm, width: 8.3 mm, height: 54 mm, color: gray



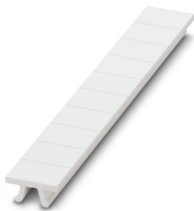
---

### Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/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



# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Retaining bracket

Retaining bracket - CDC-PTRV - 3270167

<https://www.phoenixcontact.com/de/produkte/3270167>



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

---

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/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

# Potential distributors - PTRV 4-PV /BU

3270247

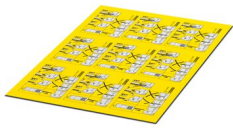
<https://www.phoenixcontact.com/de/produkte/3270247>

## Mounting material

Mounting material - PT-IL - 3208090

<https://www.phoenixcontact.com/de/produkte/3208090>

Operating decal for the push-in Technology



---

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/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



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Screwdriver

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

<https://www.phoenixcontact.com/de/produkte/1204504>



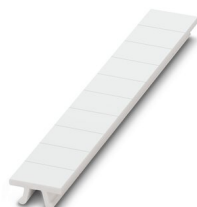
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

---

## Zack marker strip

Zack marker strip - ZB 8,3 CUS - 8191573

<https://www.phoenixcontact.com/de/produkte/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

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Actuation tool

Actuation tool - ST-BW 0 - 1200135

<https://www.phoenixcontact.com/de/produkte/1200135>

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



---

## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/0803464>

Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 2.4 x 9.2 mm





# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Reducing plug

Reducing plug - RPS - 0201647

<https://www.phoenixcontact.com/de/produkte/0201647>



Reducing plug, color: gray

---

## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/0803465>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 2.4 x 9.2 mm

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/0803466>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 2.4 x 9.2 mm

---

## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/0803467>



Marker for terminal blocks, white, labeled, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 2.4 x 9.2 mm

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End cover

End cover - D-PTRV 4 WH - 3270151

<https://www.phoenixcontact.com/de/produkte/3270151>



End cover, length: 63.6 mm, width: 3.8 mm, height: 48.9 mm, color: white

---

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270152>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270234>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

---

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270236>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270238>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

---

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270153>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270235>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

---

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270237>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End cover

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

<https://www.phoenixcontact.com/de/produkte/3270239>



End cover, length: 63.6 mm, width: 2.2 mm, height: 48.9 mm, color: white

---

## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/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)

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/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 perforated

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

<https://www.phoenixcontact.com/de/produkte/1204119>



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



# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/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/de/produkte/0801704>



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

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1206421>



DIN rail perforated, 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 ZN UNPERF 2000MM - 1206434

<https://www.phoenixcontact.com/de/produkte/1206434>



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

# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/0801762>



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

---

## End cap

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

<https://www.phoenixcontact.com/de/produkte/1206560>

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



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End clamp

End clamp - CLIPFIX 35 - 3022218

<https://www.phoenixcontact.com/de/produkte/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/de/produkte/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 4-PV /BU

3270247

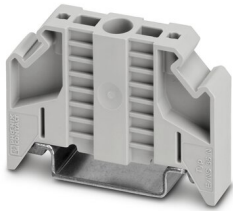
<https://www.phoenixcontact.com/de/produkte/3270247>

## End clamp

End clamp - E/NS 35 N - 0800886

<https://www.phoenixcontact.com/de/produkte/0800886>

End clamp, width: 9.5 mm, color: gray



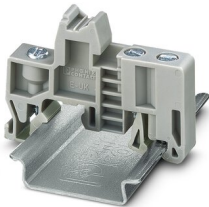
---

## End clamp

End clamp - E/UK - 1201442

<https://www.phoenixcontact.com/de/produkte/1201442>

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



# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## End clamp

End clamp - E/UK 1 - 1201413

<https://www.phoenixcontact.com/de/produkte/1201413>



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

---

## Test plugs

Test plugs - MPS-MT - 0201744

<https://www.phoenixcontact.com/de/produkte/0201744>



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

# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

<https://www.phoenixcontact.com/de/produkte/0201663>

Insulating sleeve, color: white



---

## Insulating sleeve

Insulating sleeve - MPS-IH RD - 0201676

<https://www.phoenixcontact.com/de/produkte/0201676>

Insulating sleeve, color: red



# Potential distributors - PTRV 4-PV /BU

3270247

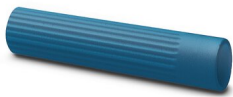
<https://www.phoenixcontact.com/de/produkte/3270247>

## Insulating sleeve

Insulating sleeve - MPS-IH BU - 0201689

<https://www.phoenixcontact.com/de/produkte/0201689>

Insulating sleeve, color: blue



## Insulating sleeve

Insulating sleeve - MPS-IH YE - 0201692

<https://www.phoenixcontact.com/de/produkte/0201692>

Insulating sleeve, color: yellow





# Potential distributors - PTRV 4-PV /BU

3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Insulating sleeve

Insulating sleeve - MPS-IH GN - 0201702

<https://www.phoenixcontact.com/de/produkte/0201702>

Insulating sleeve, color: green



---

## Insulating sleeve

Insulating sleeve - MPS-IH GY - 0201728

<https://www.phoenixcontact.com/de/produkte/0201728>

Insulating sleeve, color: gray



# Potential distributors - PTRV 4-PV /BU



3270247

<https://www.phoenixcontact.com/de/produkte/3270247>

## Insulating sleeve

Insulating sleeve - MPS-IH BK - 0201731

<https://www.phoenixcontact.com/de/produkte/0201731>

Insulating sleeve, color: black



---

Phoenix Contact 2022 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH

Flachsmarktstraße 8

D-32825 Blomberg

+49 52 35/3-1 20 00

[info@phoenixcontact.de](mailto:info@phoenixcontact.de)