

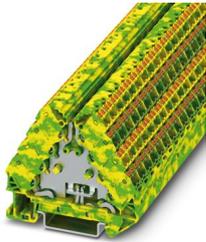
# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

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Protective conductor terminal block, number of connections: 16, number of positions: 2, 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 type: NS 35/7,5, NS 35/15, color: green-yellow

## Commercial data

Item number	1070018
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE62
Product key	BE6211
GTIN	4055626747835
Weight per piece (including packing)	23.23 g
Weight per piece (excluding packing)	21.236 g
Customs tariff number	85369010
Country of origin	PL

# PTRVB 4-PE - Protective conductor terminal block



1070018

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## 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
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### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

### Connection data

Nominal cross section	1.5 mm <sup>2</sup>
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#### 1st, 2nd, 3rd and 4th level

Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	26 ... 14 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without 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 cross section	1.5 mm <sup>2</sup>

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

Conductor cross-section rigid	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, rigid [AWG]	22 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without 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	64 mm
Depth on NS 35/7,5	55.5 mm
Depth on NS 35/15	63 mm

### Material specifications

Color	green-yellow
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# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

Color of connection elements	green-yellow
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
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## Environmental and real-life conditions

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
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):2018-05
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.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)

# PTRVB 4-PE - Protective conductor terminal block



1070018

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Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

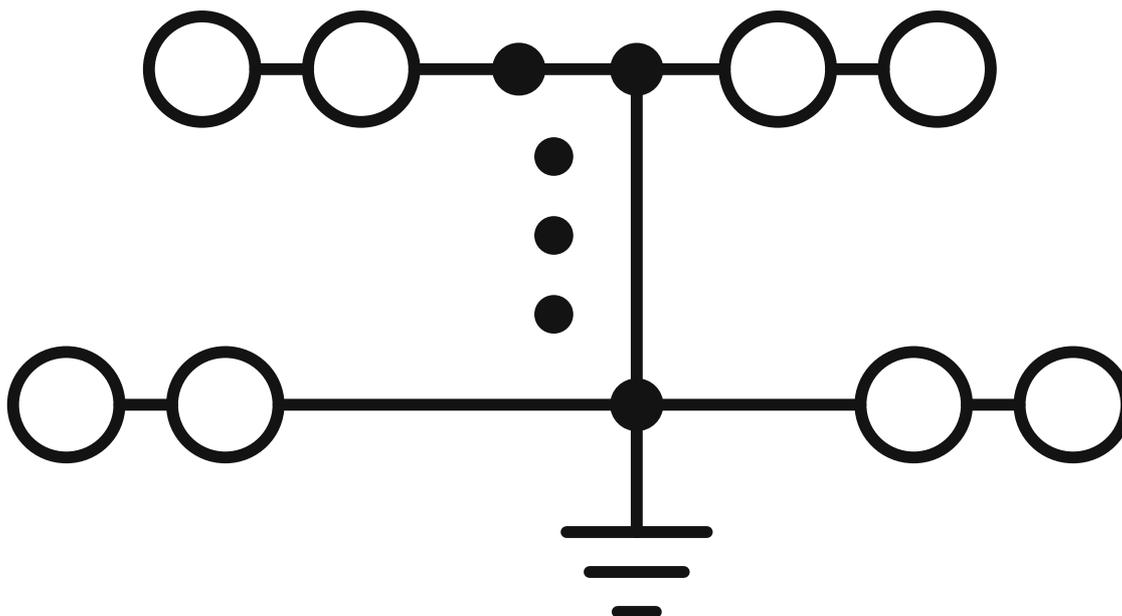
Connection in acc. with standard	IEC 60947-7-2
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## Mounting

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

Drawings

Circuit diagram



# PTRVB 4-PE - Protective conductor terminal block



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1070018>

 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	-	-	26 - 14	-
C	-	-	26 - 14	-
D	-	-	26 - 14	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00682				
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 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
B	-	-	26 - 14	-
C	-	-	26 - 14	-
F	-	-	26 - 14	-
D	-	-	26 - 14	-

# PTRVB 4-PE - Protective conductor terminal block



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## Classifications

### ECLASS

ECLASS-13.0	27250105
ECLASS-15.0	27250105

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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# PTRVB 4-PE - Protective conductor terminal block



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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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# PTRVB 4-PE - Protective conductor terminal block

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## Accessories

 Note: Applying some accessories below might limit this product.

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

2966786

<https://www.phoenixcontact.com/us/products/2966786>



Continuous plug-in bridge, length: 500 mm, color: red

 Max. current carrying capacity: 32 A

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

2966838

<https://www.phoenixcontact.com/us/products/2966838>



Continuous plug-in bridge, length: 500 mm, color: gray

 Max. current carrying capacity: 32 A

# PTRVB 4-PE - Protective conductor terminal block

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<https://www.phoenixcontact.com/us/products/1070018>



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

2967976

<https://www.phoenixcontact.com/us/products/2967976>



Continuous plug-in bridge, length: 500 mm, color: brown

 Max. current carrying capacity: 32 A

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

2966692

<https://www.phoenixcontact.com/us/products/2966692>



Continuous plug-in bridge, length: 500 mm, color: blue

 Max. current carrying capacity: 32 A

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1070018

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## FBST 50-PLC RD - Single plug-in bridge

1081050

<https://www.phoenixcontact.com/us/products/1081050>



Single plug-in bridge, length: 50 mm, color: red

 Max. current carrying capacity: 32 A

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## FBST 50-PLC BU - Single plug-in bridge

1081051

<https://www.phoenixcontact.com/us/products/1081051>



Single plug-in bridge, length: 50 mm, color: blue

 Max. current carrying capacity: 32 A

# PTRVB 4-PE - Protective conductor terminal block

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<https://www.phoenixcontact.com/us/products/1070018>



## FBST 50-PLC GY - Single plug-in bridge

1081053

<https://www.phoenixcontact.com/us/products/1081053>



Single plug-in bridge, length: 50 mm, color: gray

 Max. current carrying capacity: 32 A

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## RPS - Reducing plug

0201647

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



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

# PTRVB 4-PE - Protective conductor terminal block



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

0803444

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



Zack marker strip, Strip, white, unmarked, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, for terminal block width: 8.3 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 8.3 mm

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## 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: latching, for terminal block width: 8.3 mm, Number of individual labels: 10, text field height: 10.5 mm, text field width: 8.3 mm

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

## 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: latching, for terminal block width: 8.3 mm, text field height: 10.5 mm, text field width: 8.3 mm

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## 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, text field height: 8.3 mm, text field width: 10.5 mm

# PTRVB 4-PE - Protective conductor terminal block

1070018

<https://www.phoenixcontact.com/us/products/1070018>

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

0803464

<https://www.phoenixcontact.com/us/products/0803464>



Marker for terminal blocks, Strip, white, labeled, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 8, text field height: 9.2 mm, text field width: 2.4 mm

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

0803465

<https://www.phoenixcontact.com/us/products/0803465>



Marker for terminal blocks, Strip, white, labeled, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 8, text field height: 9.2 mm, text field width: 2.4 mm

# PTRVB 4-PE - Protective conductor terminal block



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<https://www.phoenixcontact.com/us/products/1070018>

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

0803466

<https://www.phoenixcontact.com/us/products/0803466>



Marker for terminal blocks, Strip, white, labeled, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 8, text field height: 9.2 mm, text field width: 2.4 mm

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

0803467

<https://www.phoenixcontact.com/us/products/0803467>



Marker for terminal blocks, Strip, white, labeled, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 8, text field height: 9.2 mm, text field width: 2.4 mm

# PTRVB 4-PE - Protective conductor terminal block



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<https://www.phoenixcontact.com/us/products/1070018>

## D-PTRV 4 WH - End cover

3270151

<https://www.phoenixcontact.com/us/products/3270151>



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

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

3270152

<https://www.phoenixcontact.com/us/products/3270152>



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

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

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

3270234

<https://www.phoenixcontact.com/us/products/3270234>



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

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

3270236

<https://www.phoenixcontact.com/us/products/3270236>



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

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

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

3270238

<https://www.phoenixcontact.com/us/products/3270238>



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

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

3270153

<https://www.phoenixcontact.com/us/products/3270153>



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

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

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

3270235

<https://www.phoenixcontact.com/us/products/3270235>



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

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

3270237

<https://www.phoenixcontact.com/us/products/3270237>



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

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

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

3270239

<https://www.phoenixcontact.com/us/products/3270239>



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

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## 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

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

## 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-colored

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## 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-colored

# PTRVB 4-PE - Protective conductor terminal block

1070018

<https://www.phoenixcontact.com/us/products/1070018>



## 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-colored

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## 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-colored

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

## 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-colored

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## 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-colored

# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

## 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

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## 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



# PTRVB 4-PE - Protective conductor terminal block



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## 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

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## 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

# PTRVB 4-PE - Protective conductor terminal block

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## E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



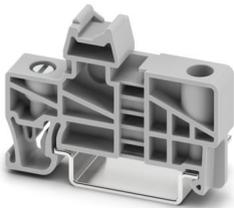
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## E/UK - End bracket

1201442

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

End bracket, material: PA, mounting type: NS 35/7,5, NS 35/15, color: gray



# PTRVB 4-PE - Protective conductor terminal block



1070018

<https://www.phoenixcontact.com/us/products/1070018>

## 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

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## MPS-MT - Test plug

0201744

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



Test plug, with solder connection up to 1 mm<sup>2</sup> conductor cross-section, number of positions: 1, color: gray

# PTRVB 4-PE - Protective conductor terminal block



1070018

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## MPS-IH WH - Insulating sleeve

0201663

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

Insulating sleeve, color: white



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## MPS-IH RD - Insulating sleeve

0201676

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

Insulating sleeve, color: red



# PTRVB 4-PE - Protective conductor terminal block



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## MPS-IH BU - Insulating sleeve

0201689

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

Insulating sleeve, color: blue



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## MPS-IH YE - Insulating sleeve

0201692

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

Insulating sleeve, color: yellow



# PTRVB 4-PE - Protective conductor terminal block



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## MPS-IH GN - Insulating sleeve

0201702

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

Insulating sleeve, color: green



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## MPS-IH GY - Insulating sleeve

0201728

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

Insulating sleeve, color: gray



# PTRVB 4-PE - Protective conductor terminal block



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## MPS-IH BK - Insulating sleeve

0201731

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

Insulating sleeve, color: black



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## ST-BW 0 - Actuation tool

1200135

<https://www.phoenixcontact.com/us/products/1200135>

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



# PTRVB 4-PE - Protective conductor terminal block



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## 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

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