

PTRV 4 /WH-COL - Marshalling panel



3001874
<https://www.phoenixcontact.com/in/products/3001874>

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.



Marshalling panel, nom. voltage: 250 V, nominal current: 10 A, connection method: Push-in connection, 1st, 2nd, 3rd and 4th level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 2.5 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Tool-free wiring in a confined space thanks to compact size
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Individual color assignment of cable and terminal point to ensure error-free, safe operation
- Color configuration possible according to VDE 0812, VDE 0815, DIN 47100 or unlimited.
- The 2.3 mm test pick-off enables testing between the conductors with commercially available test probes

Commercial data

Item number	3001874
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BE6
Product key	BE6211
Catalog page	Page 54 (C-1-2019)
GTIN	4055626038377
Weight per piece (including packing)	18.06 g
Weight per piece (excluding packing)	18.06 g
Customs tariff number	85369010
Country of origin	PL

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

Technical data

Product properties

Product type	Marshalling terminal
Number of positions	2
Number of connections	16
Number of rows	4
Potentials	4

Insulation characteristics

Overvoltage category	III
----------------------	-----

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	4
Nominal cross section	1.5 mm ²

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

Stripping length	8 mm ... 10 mm
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	26 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Nominal current	10 A
Maximum load current	10 A (with 1.5 mm ² conductor cross section)
Nominal voltage	250 V
Nominal cross section	1.5 mm ²

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

Conductor cross section rigid	0.34 mm ² ... 2.5 mm ²
Conductor cross section, rigid [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.34 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 1.5 mm ²

Dimensions

Width	8.3 mm
Height	64 mm
Depth on NS 35/7,5	55.5 mm

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

Depth on NS 35/15	63 mm
-------------------	-------

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Electrical tests

Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 1.5 mm ²	0.18 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 ² / 0.2 kg
	1.5 mm ² / 0.4 kg
	2.5 mm ² / 0.7 kg
Result	Test passed

Environmental and real-life conditions

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

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	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
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

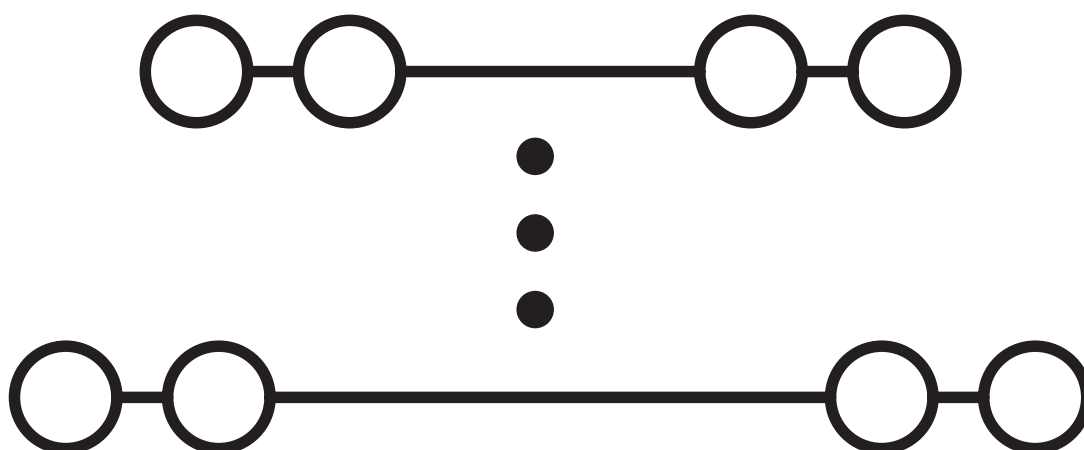
Ambient temperature (operation)	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

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

Drawings

Circuit diagram



PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/3001874>

DNV

Approval ID: TAE000016Y



CSA

Approval ID: 2030668

	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	-



IECEE CB Scheme

Approval ID: NL-58817

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	10 A	-	-



EAC

Approval ID: RU C-DE.BL08.B.00682



cULus Recognized

Approval ID: E60425



KEMA-KEUR

Approval ID: 71-102890

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	250 V	10 A	-	0.14 - 1.5
Only rigid conductors	250 V	10 A	-	0.14 - 2.5



cULus Recognized

Approval ID: E60425



cULus Recognized

Approval ID: E60425

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250105

ETIM

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

UNSPSC

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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

Environmental product compliance

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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

Accessories

DP-PTRV 4 - Spacer plate

3270163

<https://www.phoenixcontact.com/in/products/3270163>



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

CDC-PTRV - Retaining bracket

3270167

<https://www.phoenixcontact.com/in/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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

D-PTRV 4 WH 1-8 - End cover

1117529

<https://www.phoenixcontact.com/in/products/1117529>

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

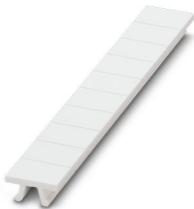


ZB 8,3:UNBEDRUCKT - Zack marker strip

0803444

<https://www.phoenixcontact.com/in/products/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



PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

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

0803480

<https://www.phoenixcontact.com/in/products/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

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

0803479

<https://www.phoenixcontact.com/in/products/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

PTRV 4 /WH-COL - Marshalling panel

3001874

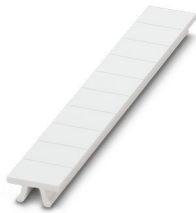
<https://www.phoenixcontact.com/in/products/3001874>



ZB 8,3 CUS - Zack marker strip

8191573

<https://www.phoenixcontact.com/in/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, lettering field size: 10.5 x 8.3 mm

D-PTRV 4 WH - End cover

3270151

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



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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

D-PTRV 4 WH 1-4 - End cover

3270152

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



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

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

3270234

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



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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

D-PTRV 4 WH 4-1 - End cover

3270236

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



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

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

3270238

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



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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

D-PTRV 4 WH A-D - End cover

3270153

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



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

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

3270235

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



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

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

D-PTRV 4 WH D-A - End cover

3270237

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



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

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

3270239

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



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

PTRV 4 /WH-COL - Marshalling panel

3001874

<https://www.phoenixcontact.com/in/products/3001874>



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

0801733

<https://www.phoenixcontact.com/in/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

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

0801681

<https://www.phoenixcontact.com/in/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

PTRV 4 /WH-COL - Marshalling panel

3001874

<https://www.phoenixcontact.com/in/products/3001874>



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

1204119

<https://www.phoenixcontact.com/in/products/1204119>



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

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

1204122

<https://www.phoenixcontact.com/in/products/1204122>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

PTRV 4 /WH-COL - Marshalling panel

3001874

<https://www.phoenixcontact.com/in/products/3001874>



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

0801704

<https://www.phoenixcontact.com/in/products/0801704>



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

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

1206421

<https://www.phoenixcontact.com/in/products/1206421>



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

PTRV 4 /WH-COL - Marshalling panel

3001874

<https://www.phoenixcontact.com/in/products/3001874>



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

1206434

<https://www.phoenixcontact.com/in/products/1206434>



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

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

0801762

<https://www.phoenixcontact.com/in/products/0801762>



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

PTRV 4 /WH-COL - Marshalling panel

3001874

<https://www.phoenixcontact.com/in/products/3001874>



NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/in/products/1206560>

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



CLIPFIX 35 - End bracket

3022218

<https://www.phoenixcontact.com/in/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



PTRV 4 /WH-COL - Marshalling panel

3001874

<https://www.phoenixcontact.com/in/products/3001874>



CLIPFIX 35-5 - End bracket

3022276

<https://www.phoenixcontact.com/in/products/3022276>

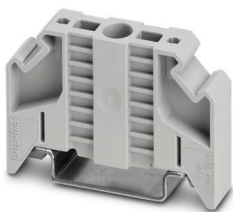


Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

E/NS 35 N - End bracket

0800886

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



End clamp, width: 9.5 mm, color: gray

PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

E/UK - End bracket

1201442

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

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



E/UK 1 - End bracket

1201413

<https://www.phoenixcontact.com/in/products/1201413>

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



PTRV 4 /WH-COL - Marshalling panel



3001874

<https://www.phoenixcontact.com/in/products/3001874>

SZF 0-0,4X2,5 - Screwdriver

1204504

<https://www.phoenixcontact.com/in/products/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

ST-BW 0 - Actuation tool

1200135

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



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in