

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518

<https://www.phoenixcontact.com/us/products/3214518>

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.



Protective conductor double-level terminal block, connection method: Push-in / plug connection, 1st and 2nd level, cross section: 0.14 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space

Commercial data

Item number	3214518
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2242
GTIN	4046356623346
Weight per piece (including packing)	9.845 g
Weight per piece (excluding packing)	9.845 g
Customs tariff number	85369010
Country of origin	PL

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518

<https://www.phoenixcontact.com/us/products/3214518>

Technical data

Product properties

Product type	Ground terminal block
Product family	PTS
Number of connections	4
Number of rows	2

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	2
Nominal cross section	1.5 mm ²

1st and 2nd level

Connection method	Push-in / plug connection
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG]	26 ... 16 (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 mm ² Using the AI-S 1-8 TQ ferrule, Item No. 1200293, is recommended

1st and 2nd level Connection cross sections directly pluggable

Conductor cross-section rigid	0.25 mm ² ... 1.5 mm ²
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 mm ²

Dimensions

Width	3.5 mm
End cover width	2.2 mm
Height	78 mm
Depth on NS 35/7,5	55 mm
Depth on NS 35/15	62.5 mm

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518

<https://www.phoenixcontact.com/us/products/3214518>

Material specifications

Color	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))	130 °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)	28 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
-----------------	-----

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$1.857 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.8g
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	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518

<https://www.phoenixcontact.com/us/products/3214518>

Ambient conditions

Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

Mounting

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

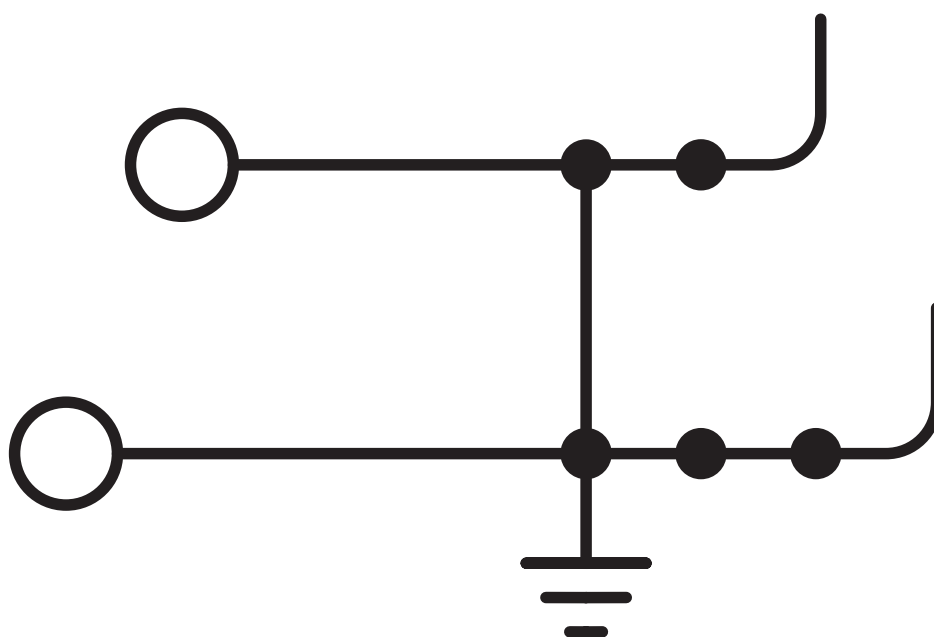
PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block

3214518

<https://www.phoenixcontact.com/us/products/3214518>

Drawings

Circuit diagram



PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518

<https://www.phoenixcontact.com/us/products/3214518>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3214518>

DNV

Approval ID: TAE000010T



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	-	-	26 - 14	-



IECEE CB Scheme

Approval ID: DE1-65179

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	-	-	-



EAC

Approval ID: RU C-DE.BL08.B.00644



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	-	-	26 - 14	-
C				
	-	-	26 - 14	-
D				
	-	-	26 - 14	-



LR

Approval ID: LR2371832TA

ClassNK

NK

Approval ID: 14ME0912

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block

3214518
<https://www.phoenixcontact.com/us/products/3214518>



BV

Approval ID: 39979/B0 BV

keine	 VDE Gutachten mit Fertigungsüberwachung Approval ID: 40034766			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	500 V	-	-	-



EAC

Approval ID: KZ7500651131219505

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518
<https://www.phoenixcontact.com/us/products/3214518>

Classifications

ECLASS

ECLASS-13.0	27250104
ECLASS-15.0	27250104

ETIM

ETIM 9.0	EC000901
----------	----------

UNSPSC

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

PTTBS 1,5/S/2P-PE - Protective conductor double-level terminal block



3214518

<https://www.phoenixcontact.com/us/products/3214518>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com