

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

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, number of connections: 4, connection method: Push-in connection, cross section: 0.14 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- 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
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

Commercial data

Item number	3209620
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE2224
Catalog page	Page 85 (C-1-2019)
GTIN	4046356330091
Weight per piece (including packing)	17.52 g
Weight per piece (excluding packing)	17.5 g
Customs tariff number	85369010
Country of origin	CN

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

Technical data

Product properties

Product type	Ground terminal block
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	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

Level 1+2 above 1 below 1

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.14 mm ² ... 4 mm ²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Maximum load current	with 4 mm ² conductor cross section, rigid

Level 1+2 above 1 below 1 Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range (1)	-60 °C ... 85 °C
Operating temperature range (2)	-40 °C ... 110 °C
Ex-certified accessories	3038503 D-STTBS 2,5 1204517 SZF 1-0,6X3,5

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

output	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
	(Permanent)

Ex connection data General

Nominal cross section	2.5 mm ²
Rated cross section AWG	14
Connection capacity rigid	0.14 mm ² ... 4 mm ²
Connection capacity AWG	26 ... 12
Connection capacity flexible	0.14 mm ² ... 2.5 mm ²
Connection capacity AWG	26 ... 14

Dimensions

Width	5.2 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

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

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

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 ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
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 60947-7-2
----------------------------------	---------------

Mounting

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

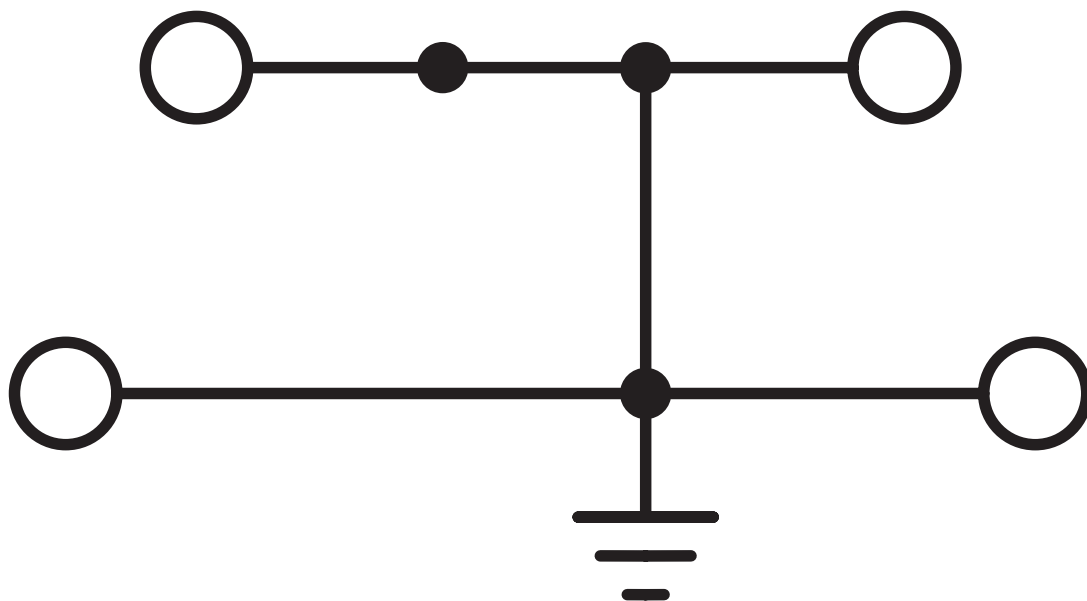
PTTBS 2,5-PE - Protective conductor double-level terminal block

3209620

<https://www.phoenixcontact.com/sg/products/3209620>

Drawings

Circuit diagram



PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3209620>

DNV

Approval ID: TAE000010T



IECEE CB Scheme

Approval ID: DE1-62994

Nominal voltage U_N

Nominal current I_N

Cross section AWG

Cross section mm^2

-

-

-

0.2 - 2.5



EAC

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



cULus Recognized

Approval ID: E60425



LR

Approval ID: LR2371832TA



NK

Approval ID: 14ME0912



VDE approval of drawings

Approval ID: 40036433

Nominal voltage U_N

Nominal current I_N

Cross section AWG

Cross section mm^2

-

-

-

0.2 - 2.5

ABS

Approval ID: 21-2192245-PDA



cULus Recognized

Approval ID: E60425



cUL Recognized

Approval ID: E192998

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	-	-	24 - 12	-



IECEx

Approval ID: IECEx SEV13.0005U



UL Recognized

Approval ID: E192998

	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	-	-	24 - 12	-



ATEX

Approval ID: SEV13ATEX0159U



CCC

Approval ID: 2020322313000631

cULus Recognized

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250104

ETIM

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

UNSPSC

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

PTTBS 2,5-PE - Protective conductor double-level terminal block



3209620

<https://www.phoenixcontact.com/sg/products/3209620>

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 SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg