

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

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.



Double-level terminal block, for KNX bus in building installation, nom. voltage: 500 V, nominal current: 16 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: white

## Your advantages

- 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
- 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

## Commercial data

Item number	3214661
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE2214
Catalog page	Page 40 (C-1-2019)
GTIN	4055626158006
Weight per piece (including packing)	8.066 g
Weight per piece (excluding packing)	7.872 g
Customs tariff number	85369010
Country of origin	PL

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

## Technical data

### Product properties

Product type	KNX terminal block
Number of connections	4
Number of rows	2
Potentials	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 <sup>2</sup>

### 1st and 2nd level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Cross section AWG	26 ... 16 (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 mm <sup>2</sup> Using the AI-S 1-8 TQ ferrule, Item No. 1200293, is recommended
Nominal current	16 A
Maximum load current	16 A
Nominal voltage	500 V
Nominal cross section	1.5 mm <sup>2</sup>

### 1st and 2nd level Connection cross sections directly pluggable

Conductor cross section rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
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 mm <sup>2</sup>

## Ex data

### Rated data (ATEX/IECEx)

Identification	⊕ II 2 GD Ex eb IIC Gb
Operating temperature range (1)	-60 °C ... 85 °C
Operating temperature range (2)	-40 °C ... 110 °C

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

Ex-certified accessories	3214699 D-PTTBS 1,5/S
	3030747 ATP-STTB 4
	1204504 SZF 0-0,4X2,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-3,5 / 3213014
	Plug-in bridge / FBS 3-3,5 / 3213027
	Plug-in bridge / FBS 4-3,5 / 3213030
	Plug-in bridge / FBS 5-3,5 / 3213043
	Plug-in bridge / FBS 10-3,5 / 3213056
Plug-in bridge / FBS 20-3,5 / 3213069	
Bridge data	13 A / 1.5 mm <sup>2</sup>
Ex temperature increase	40 K (14.7 A/1.5 mm <sup>2</sup> )
Rated voltage	352 V
for bridging with bridge	352 V
- At bridging between non-adjacent terminal blocks	220 V
- At bridging between non-adjacent terminal blocks via PE terminal block	220 V
Rated insulation voltage	320 V
output	(Permanent)

## Ex level General

Rated current	13.5 A
Maximum load current	13.5 A

## Ex connection data General

Nominal cross section	1.5 mm <sup>2</sup>
Rated cross section AWG	16
Connection capacity rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection capacity AWG	26 ... 16
Connection capacity flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection capacity AWG	26 ... 16
output	(Permanent)

## Ex level Level 1

Contact resistance	1.7 mΩ
output	(Permanent)

## Ex level Level 2

Contact resistance	1.4 mΩ
--------------------	--------

## Dimensions

Width	3.5 mm
End cover width	2.2 mm
Height	78.8 mm
Depth on NS 35/7,5	48.2 mm

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

Depth on NS 35/15	55.7 mm
-------------------	---------

## Material specifications

Color	white (RAL 9010)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

### 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 60947-7-1
----------------------------------	---------------

## Mounting

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

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

## Drawings

Circuit diagram



# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3214661>



**EAC**

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



**LR**

Approval ID: LR2371832TA



**NK**

Approval ID: 14ME0912



**BV**

Approval ID: 39980/B0 BV

**DNV**

Approval ID: TAE000010T



**IECEx**

Approval ID: IECEx SEV13.0005U



**ATEX**

Approval ID: SEV13ATEX0159U



**CCC**

Approval ID: 2020322313000631



**EAC Ex**

Approval ID: KZ 7500525010101950

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

### ETIM

ETIM 9.0	EC000897
----------	----------

### UNSPSC

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

# PTTBS 1,5/S WH/U-YE/O-WH - Double-level terminal block



3214661

<https://www.phoenixcontact.com/sg/products/3214661>

## 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](mailto:marketing@phoenixcontact.com.sg)