

## Double-level terminal block - PTTBS 1,5/S - 3214657

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Double-level terminal block, Cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, Connection type: Push-in connection, Width: 3.5 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

### Product Features

- 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 facility in the double function shaft, all terminal blocks provide an additional test connection

### Key commercial data

package_quantity	50
GTIN	4046356616133

### Technical data

#### General

Number of levels	2
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

#### General

Rated surge voltage	6 kV
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	16 A
Nominal voltage U <sub>N</sub>	500 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV

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## Technical data

### General

<b>Result of power-frequency withstand voltage test</b>	Test passed
<b>Checking the mechanical stability of terminal points (5 x conductor connection)</b>	Test passed
<b>Bending test rotation speed</b>	10 rpm
<b>Bending test turns</b>	135
<b>Bending test conductor cross section/weight</b>	0.14 mm <sup>2</sup> / 0.2 kg
<b>Bending test conductor cross section/weight</b>	1.5 mm <sup>2</sup> / 0.4 kg
<b>Result of bending test</b>	Test passed
<b>Conductor cross section tensile test</b>	0.14 mm <sup>2</sup>
<b>Tractive force setpoint</b>	10 N
<b>Conductor cross section tensile test</b>	1.5 mm <sup>2</sup>
<b>Tractive force setpoint</b>	40 N
<b>Tensile test result</b>	Test passed
<b>Tight fit on carrier</b>	NS 35
<b>Setpoint</b>	1 N
<b>Result of tight fit test</b>	Test passed
<b>Requirements, voltage drop</b>	≤ 3.2 mV
<b>Result of voltage drop test</b>	Test passed
<b>Temperature-rise test</b>	Test passed
<b>Conductor cross section short circuit testing</b>	1.5 mm <sup>2</sup>
<b>Short-time current</b>	0.18 kA
<b>Short circuit stability result</b>	Test passed
<b>Ageing test for screwless modular terminal block temperature cycles</b>	192
<b>Result of aging test</b>	Test passed
<b>Proof of thermal characteristics (needle flame) effective duration</b>	30 s
<b>Result of thermal test</b>	Test passed
<b>Test specification, oscillation, broadband noise</b>	DIN EN 50155 (VDE 0115-200):2008-03
<b>Test spectrum</b>	Service life test category 1, class B, body mounted
<b>Test frequency</b>	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
<b>ASD level</b>	1.857 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
<b>Acceleration</b>	0.8 g
<b>Test duration per axis</b>	5 h
<b>Test directions</b>	X-, Y- and Z-axis
<b>Oscillation, broadband noise test result</b>	Test passed
<b>Test specification, shock test</b>	DIN EN 50155 (VDE 0115-200):2008-03
<b>Shock form</b>	Half-sine
<b>Acceleration</b>	5 g
<b>Shock duration</b>	30 ms
<b>Number of shocks per direction</b>	3
<b>Test directions</b>	X-, Y- and Z-axis (pos. and neg.)

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### Technical data

#### General

Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

#### Dimensions

Width	3.5 mm
Length	78.8 mm
Height NS 35/7,5	48.2 mm
Height NS 35/15	55.7 mm

#### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	1 mm <sup>2</sup>
Connection method	Push-in connection
Stripping length	8 mm
Internal cylindrical gage	A1 / B1

### classifications

#### eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

#### ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

#### UNSPSC

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## classifications

### UNSPSC

<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410

## approvals

UL Recognized / cUL Recognized / GOST / GL / LR / CSA / GOST / cULus Recognized /

### Approval details

**UL Recognized**

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm <sup>2</sup> /AWG/kcmil	26-14	26-14	26-14

**cUL Recognized**

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	15 A	15 A	5 A
mm <sup>2</sup> /AWG/kcmil	26-14	26-14	26-14

**GOST**

**GL**

**LR**

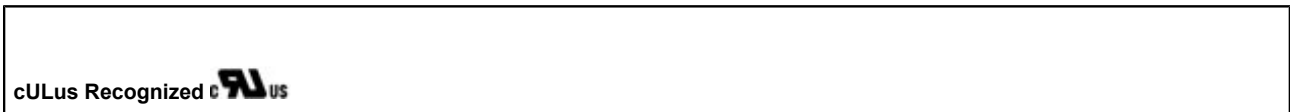
**CSA**

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V

## Double-level terminal block - PTTBS 1,5/S - 3214657

### approvals

Usegroups	B	C	D
Nominal current I <sub>N</sub>	15 A	15 A	5 A
mm <sup>2</sup> /AWG/kcmil	26-14	26-14	26-14



### accessories

#### Partition plate

ATP-STTB 4 - 3030747



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#### End cover

D-PTTBS 1,5/S - 3214699



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#### Screwdriver tools

SZF 1-0,6X3,5 - 1204517



## Double-level terminal block - PTTBS 1,5/S - 3214657

### accessories

SZF 0-0,4X2,5 - 1204504



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### Bridge

FBS 1,5/S-PV - 3216263



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FBS 2-3,5 - 3213014



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FBS 3-3,5 - 3213027



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FBS 4-3,5 - 3213030



## Double-level terminal block - PTTBS 1,5/S - 3214657

### accessories

FBS 5-3,5 - 3213043



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FBS 10-3,5 - 3213056



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FBS 20-3,5 - 3213069



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### Marker carriers

STP 3,5-2 - 0830131



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### Documentation

PT-IL - 3208090



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### Mounting rail

## Double-level terminal block - PTTBS 1,5/S - 3214657

### accessories

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421





## Double-level terminal block - PTTBS 1,5/S - 3214657

accessories

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NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



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### accessories

NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



## Double-level terminal block - PTTBS 1,5/S - 3214657

accessories

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NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



### Terminal marking

ZB 3,5:UNBEDRUCKT - 0829414



UCT-TM 3,5 - 0829484



ZBF 3,5:UNBEDRUCKT - 0829392



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### accessories

UCT-TMF 3,5 - 0829486



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### Labeled terminal marker

ZB 3,5 CUS - 0829415



UCT-TM 3,5 CUS - 0829581



ZBF 3,5 CUS - 0829394



UCT-TMF 3,5 CUS - 0829644



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### Test plug terminal block

## Double-level terminal block - PTTBS 1,5/S - 3214657

### accessories

MPS-MT - 0201744



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### Insulating sleeve

MPS-IH WH - 0201663



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MPS-IH RD - 0201676



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MPS-IH BU - 0201689



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MPS-IH YE - 0201692



## Double-level terminal block - PTTBS 1,5/S - 3214657

### accessories

MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



### Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



### End block

# Double-level terminal block - PTTBS 1,5/S - 3214657

## accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



## Drawings

Circuit diagram





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