

# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

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Protective conductor double-level terminal block, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, Connection type: Push-in connection, Width: 5.2 mm, Color: green-yellow, 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
- Tested for railway applications

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4046356419017

## Technical data

### General

<b>Number of levels</b>	2
<b>Number of connections</b>	4
<b>Color</b>	green-yellow
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0
<b>Area of application</b>	Railway industry
<b>Area of application</b>	Mechanical engineering
<b>Area of application</b>	Plant engineering
<b>Area of application</b>	Process industry

### General

<b>Rated surge voltage</b>	6 kV
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Insulating material group</b>	I
<b>Connection in acc. with standard</b>	IEC 60947-7-2
<b>Open side panel</b>	ja
<b>Shock protection test specification</b>	DIN EN 50274 (VDE 0660-514):2002-11

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## Technical data

### General

<b>Back of the hand protection</b>	guaranteed
<b>Finger protection</b>	guaranteed
<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>	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
<b>ASD level</b>	$1.857 \text{ (m/s}^2\text{)}^2\text{/Hz}$
<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.)
<b>Shock test result</b>	Test passed
<b>Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))</b>	130 °C
<b>Static insulating material application in cold</b>	-60 °C

### Dimensions

<b>Width</b>	5.2 mm
<b>Length</b>	68 mm
<b>Height NS 35/7,5</b>	47.5 mm
<b>Height NS 35/15</b>	55 mm

### Connection data

<b>Conductor cross section solid min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	26
<b>Conductor cross section AWG/kcmil max</b>	12
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	2.5 mm <sup>2</sup>

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## Technical data

### Connection data

<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	0.5 mm <sup>2</sup>
<b>Connection method</b>	Push-in connection
<b>Stripping length</b>	10 mm
<b>Internal cylindrical gage</b>	A3

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27141118
<b>eCl@ss 4.1</b>	27141118
<b>eCl@ss 5.0</b>	27141118
<b>eCl@ss 5.1</b>	27141118
<b>eCl@ss 6.0</b>	27141141
<b>eCl@ss 7.0</b>	27141141
<b>eCl@ss 8.0</b>	27141141

### ETIM

<b>ETIM 2.0</b>	EC000901
<b>ETIM 3.0</b>	EC000901
<b>ETIM 4.0</b>	EC000901
<b>ETIM 5.0</b>	EC000901


### 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

ATEX / IECEx / CSA / UL Recognized / cUL Recognized / GOST / LR / GL / RS / ABS / NK / BV / VDE Zeichengenehmigung / IECCEB Scheme / GOST / cULus Recognized /

### Approval details


	
Nominal voltage UN	


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## approvals

Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.14-4

<b>IECEX</b>	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.14-4

<b>CSA</b> 	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	26-12

<b>UL Recognized</b> 		
<b>Usegroups</b>	<b>B</b>	<b>C</b>
Nominal voltage UN		
Nominal current IN		
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

<b>cUL Recognized</b> 		
<b>Usegroups</b>	<b>B</b>	<b>C</b>
Nominal voltage UN		
Nominal current IN		
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

<b>GOST</b> 
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<b>LR</b>
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<b>GL</b>
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# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

approvals

RS

ABS

NK

BV

**VDE Zeichengenehmigung**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

**IECEE CB Scheme**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	2.5



**cULus Recognized**

accessories

**Partition plate**

ATP-STTB 4 - 3030747



# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

accessories

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## End cover

D-PTTB 2,5 - 3211634



DP PS-5 - 3036725



## Screwdriver tools

SZF 1-0,6X3,5 - 1204517



## Marker carriers

STP 5-2 - 0800967



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accessories

STP 5-2/S - 0800970



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## Documentation

PT-IL - 3208090



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## Bridge

FBS 2-5 - 3030161



FBS 3-5 - 3030174



FBS 4-5 - 3030187



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

accessories

FBS 5-5 - 3030190



FBS 10-5 - 3030213



FBS 20-5 - 3030226



FBS 50-5 - 3038930



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733





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### accessories

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



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### accessories

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



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### accessories

NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



### Terminal marking

ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

accessories

UCT-TMF 5 - 0828744



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### Labeled terminal marker

ZBF 5 CUS - 0825025



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UC-TMF 5 CUS - 0824638



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UCT-TMF 5 CUS - 0829658



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### Test plug terminal block

MPS-MT - 0201744



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### accessories

PAI-4-FIX-5/6 BU - 3035975



PAI-4-FIX-5/6 OG - 3035974



PAI-4-FIX-5/6 YE - 3035977



PAI-4-FIX-5/6 RD - 3035976



PAI-4-FIX-5/6 GN - 3035978



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

### accessories

PAI-4-FIX-5/6 BK - 3035980



PAI-4-FIX-5/6 GY - 3035982



PAI-4-FIX-5/6 VT - 3035979



PAI-4-FIX-5/6 BN - 3035981



PS-5 - 3030983



# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

accessories

PS-5/2,3MM RD - 3038723



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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





# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

## accessories

MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



ISH 2,5/0,2 - 3002843



ISH 2,5/0,5 - 3002856



## Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

accessories

ISH 2,5/1,0 - 3002869



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### Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



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CLIP-PROJECT PROFESSIONAL - 5146053



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### End block

CLIPFIX 35 - 3022218



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CLIPFIX 35-5 - 3022276



# Protective conductor double-level terminal block - PTTB 2,5-PE - 3210596

accessories

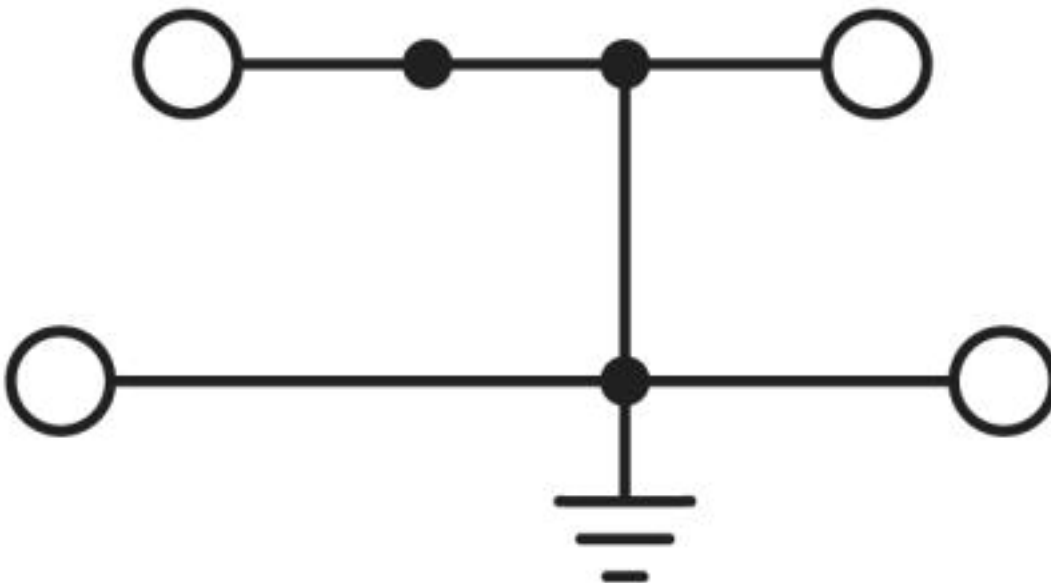
E/NS 35 N - 0800886



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## Drawings

Circuit diagram



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