

# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

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Installation level terminal block, Push-in connection, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- Double function shafts on all levels
- The terminal blocks with knife disconnect zone in the upper level meet the safety requirement regarding individual circuit isolation of DIN VDE 0100-718

## Key commercial data

package_quantity	50
GTIN	4046356609562

## Technical data

### General

Number of levels	3
Number of connections	5
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

### General

Maximum load current	30 A (with 4 mm <sup>2</sup> conductor cross section and 3-pos. terminal block)
Maximum load current	16 A (Disconnect level)
Rated surge voltage	4 kV
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Nominal current I <sub>N</sub>	24 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal voltage U <sub>N</sub>	400 V (phase conductor/phase conductor)
Nominal voltage U <sub>N</sub>	250 V (phase conductor/PE)
Nominal voltage U <sub>N</sub>	250 V (phase conductor/N)
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11

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## Technical data

### General

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
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.14 mm <sup>2</sup> / 0.2 kg
Bending test conductor cross section/weight	4 mm <sup>2</sup> / 0.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.14 mm <sup>2</sup>
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm <sup>2</sup>
Tractive force setpoint	60 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	4 mm <sup>2</sup>
Short-time current	0.48 kA
Conductor cross section short circuit testing	1.5 mm <sup>2</sup>
Short-time current	0.18 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
ASD level	0.02 g <sup>2</sup> /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis

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## Technical data

### General

Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
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	5.2 mm
Length	101 mm
Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	26
Max. AWG conductor cross section, stranded	12
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.	2.5 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.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Connection method	Push-in connection
Stripping length	10 mm
Internal cylindrical gage	A3

### classifications

eCl@ss

eCl@ss 4.0	27141121
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# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

## classifications

### eCl@ss

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	EC001329

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## approvals

UL Recognized / cUL Recognized / GOST / VDE Zeichengenehmigung / IECCEB Scheme / GL / cULus Recognized /

### Approval details

UL Recognized		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

cUL Recognized		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

GOST		
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# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

## approvals

<b>VDE Zeichengenehmigung</b>	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.2-4

<b>IECEE CB Scheme</b>	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.2-4

**GL**

**cULus Recognized**

## accessories

### End cover

D-PTI/3B - 3213976



DP PS-5 - 3036725



## Screwdriver tools

## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

### accessories

SZF 1-0,6X3,5 - 1204517



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### Partition plate

ATP-PTI/3 - 3213990



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### Marker carriers

CARRIER-TM 300 - 0828282



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### Switching lock

S-MT - 3247954



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### Documentation

PT-IL - 3208090



# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

accessories

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## Bridge

FBS 2-5 - 3030161



FBS 3-5 - 3030174



FBS 4-5 - 3030187



FBS 5-5 - 3030190



FBS 10-5 - 3030213



## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

### accessories

FBS 20-5 - 3030226



FBS 50-5 - 3038930



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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





## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

### accessories

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



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



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



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



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



NS 35/ 7,5 CAP - 1206560



## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

### accessories

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NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

### accessories

NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



### Terminal marking

# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

## accessories

ZB 5 :UNBEDRUCKT - 1050004



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UC-TM 5 - 0818108



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UCT-TM 5 - 0828734



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ZBF 5:UNBEDRUCKT - 0808642



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UC-TMF 5 - 0818153



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UCT-TMF 5 - 0828744



# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

accessories

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## Labeled terminal marker

ZB 5 CUS - 0824962



UC-TM 5 CUS - 0824581



UCT-TM 5 CUS - 0829595



ZBF 5 CUS - 0825025



UC-TMF 5 CUS - 0824638



## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

accessories

UCT-TMF 5 CUS - 0829658



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### Test plug terminal block

MPS-MT - 0201744



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PAI-4-N GY - 3032871



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PS-5 - 3030983



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PS-5/2,3MM RD - 3038723



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### Insulating sleeve

# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

## accessories

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

### accessories

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MPS-IH BK - 0201731



ISH 2,5/0,2 - 3002843



ISH 2,5/0,5 - 3002856



ISH 2,5/1,0 - 3002869



### Planning and marking software

CLIP-PROJECT ADVANCED - 5146040





# Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

## accessories

CLIP-PROJECT PROFESSIONAL - 5146053



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## End block

CLIPFIX 35 - 3022218



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CLIPFIX 35-5 - 3022276



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E/NS 35 N - 0800886

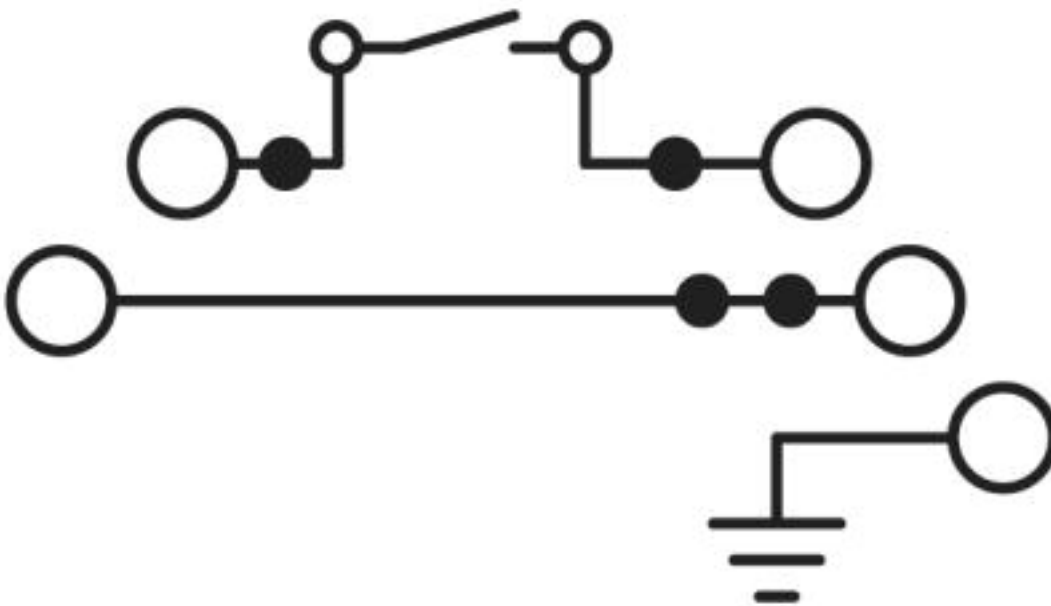


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## Drawings

## Installation level terminal block - PTI 2,5-PE/L/NTB - 3213955

Circuit diagram



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