

Double-level terminal block - PTTB 1,5/S/2P - 3212439

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Double-level terminal block, Cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 16, Connection type: Push-in / plug 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
- Tested for railway applications

Key commercial data

package_quantity	50
GTIN	4046356565400

Technical data

General

Number of levels	2
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering

General

Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current I _N	16 A (observe derating)
Nominal voltage U _N	500 V
Open side panel	ja
Insertion/withdrawal cycles mechanical	100

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Technical data

General

Surge voltage test setpoint	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	3.31 kV
Result of power-frequency withstand voltage test	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Conductor cross section short circuit testing	1.5 mm ²
Short-time current	0.18 kA
Short circuit stability result	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 ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	0.964 (m/s ²) ² /Hz
Acceleration	0.58 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
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	3.5 mm
Length	69.3 mm
Height NS 35/7,5	42.6 mm
Height NS 35/15	50.1 mm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²

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Connection data

Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1 mm ²
Connection method	Push-in / plug connection
Stripping length	8 mm
Internal cylindrical gage	A1 / B1

classifications

eCl@ss

eCl@ss 4.0	27141131
eCl@ss 4.1	27141131
eCl@ss 5.0	27141134
eCl@ss 5.1	27141134
eCl@ss 6.0	27141134
eCl@ss 7.0	27141134
eCl@ss 8.0	27141134

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

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 / LR / LR / GL / GOST / cULus Recognized /


Approval details

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approvals

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 ² /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 ² /AWG/kcmil	26-14	26-14	26-14

GOST 

LR

GL



cULus Recognized 

accessories

Screwdriver tools

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accessories

SZF 0-0,4X2,5 - 1204504



Partition plate

ATP-STTB 4 - 3030747



End cover

D-PTTB 1,5/S/2P - 3212471



Coding element

PC - 3040588



Documentation

PT-IL - 3208090



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accessories

Bridge

FBS 2-3,5 - 3213014



FBS 3-3,5 - 3213027



FBS 4-3,5 - 3213030



FBS 5-3,5 - 3213043



FBS 10-3,5 - 3213056



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accessories

FBS 20-3,5 - 3213069



FBS 2-3,5 BU - 3213086



FBS 3-3,5 BU - 3213099



FBS 4-3,5 BU - 3213109



FBS 5-3,5 BU - 3213112



FBS 10-3,5 BU - 3213125



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accessories

FBS 20-3,5 BU - 3213138



FBS 1,5/S-PV - 3216263



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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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



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accessories

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



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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

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accessories

ZBF 3,5:UNBEDRUCKT - 0829392



UCT-TMF 3,5 - 0829486



Labeled terminal marker

ZBF 3,5 CUS - 0829394



UCT-TMF 3,5 CUS - 0829644



Test plug terminal block

MPS-MT - 0201744



Insulating sleeve

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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



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accessories

MPS-IH BK - 0201731



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

E/UK - 1201442



E/UK 1 - 1201413



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accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



Drawings

Circuit diagram

