

Ground modular terminal block - PT 10-TWIN-PE - 3208745

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Ground modular terminal block, Connection method: Push-in connection, Cross section: 0.5 mm² - 16 mm², AWG: 20 - 6, Width: 10.2 mm, Height: 49.5 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

package_quantity	50
GTIN	4046356643603

Technical data

General

Number of levels	1
Number of connections	3
Color	green-yellow
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

Maximum load current	70 A (with 16 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-2
Nominal current I _N	57 A
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
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$
Acceleration	3.12 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	30 g
Shock duration	18 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	10.2 mm
Length	88.9 mm
Height	49.5 mm
Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	10 mm ²
Min. AWG conductor cross section, stranded	20
Max. AWG conductor cross section, stranded	8
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²

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Technical data

Connection data

Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
Connection method	Push-in connection
Stripping length	18 mm
Internal cylindrical gage	A6

classifications

eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141141
eCl@ss 7.0	27141141
eCl@ss 8.0	27141141

ETIM

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC000901

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 / GL / LR / cULus Recognized /

Approval details

UL Recognized 

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approvals

Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm²/AWG/kcmil	20-6	20-6

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm²/AWG/kcmil	20-6	20-6

GL

LR

cULus Recognized  US

accessories

Screwdriver tools

SZF 1-0,6X3,5 - 1204517



SZF 3-1,0X5,5 - 1206612



End cover

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accessories

D-PT 10-TWIN - 3208748



Documentation

PT-IL - 3208090



Bridge

FBS 2-10 - 3005947



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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accessories

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



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



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



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accessories

NS 35/ 7,5 CAP - 1206560



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



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accessories

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



NS 35/15 CAP - 1206573



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



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accessories

Terminal marking

ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



UCT-TM 10 - 0829142



ZBF10:UNBEDRUCKT - 0809997



UC-TMF 10 - 0818124



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accessories

UCT-TMF 10 - 0829204



TMT (EX9,5)R - 0828295



Labeled terminal marker

ZB 10 CUS - 0824941



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



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accessories

ZBF10 CUS - 0825031



UC-TMF 10 CUS - 0824662



UCT-TMF 10 CUS - 0829679



Test plug terminal block

MPS-MT - 0201744



PAI-4-N GY - 3032871



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

