Ground modular terminal block - ST 10-PE - 3036136

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Ground modular terminal block, Connection method: Spring-cage connection, Cross section: 0.2 mm² - 16 mm², AWG: 24 - 6, Width: 10.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

Product Features

- Tested for railway applications

Key commercial data

package_quantity	50
GTIN	4017918819095

Technical data

General

Number of levels	1
Number of connections	2
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
Area of application	Process industry

General

Maximum load current	65 A (with 16 mm² 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 1, class B, body mounted
Test frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	1.857 $(m/s^2)^2$/Hz
Acceleration	0.8 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	10.2 mm
Length	71.5 mm
Height NS 35/7,5	50.3 mm
Height NS 35/15	58 mm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	6
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	10 mm²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	8
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm²
Connection method	Spring-cage 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

IECEx / ATEX / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / LR / GL / BV / DNV / RS / KR / NK / IECEE CB Scheme / GOST / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / GOST / cULus Recognized /

Approval details

IECEx	
Nominal voltage UN	
Nominal current IN	

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approvals

mm²/AWG/kcmil	1.5-10

ATEX

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	1.5-16

CSA

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	16-6

UL Recognized

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	16-6

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	1.5-10

cUL Recognized

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	16-6

LR

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approvals

GL

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	10

BV

DNV

RS

KR

NK

IECEE CB Scheme

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	1.5-10

GOST

Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	1.5-10

Nominal voltage UN	
Nominal current IN	

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approvals

mm²/AWG/kcmil	10

cULus Recognized

accessories

End cover

D-ST 10 - 3036644

Screwdriver tools

SZF 3-1,0X5,5 - 1206612

Documentation

ST-IL - 3039900

Bridge

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accessories

FBS 2-10 - 3005947

Mounting rail

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

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accessories

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

Drawings

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Circuit diagram