

Feed-through terminal block - ST 10 - 3036110

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

Product Features

- The double bridge shaft not only enables individual chain bridging, but also reducing bridging to spring-cage terminal blocks with smaller cross sections
- Tested for railway applications
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"



Key commercial data

package_quantity	50
GTIN	4017918819088

Technical data

General

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

General

Maximum load current	65 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 60947-7-1

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Technical data

General

Nominal current I_N	57 A
Nominal voltage U_N	1000 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 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	0.2 mm ² / 0.2 kg
Bending test conductor cross section/weight	10 mm ² / 2 kg
Bending test conductor cross section/weight	16 mm ² / 2.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	10 mm ²
Tractive force setpoint	90 N
Conductor cross section tensile test	16 mm ²
Tractive force setpoint	100 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	5 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	10 mm ²
Short-time current	1.2 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

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General

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	57.8 mm

Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Spring-cage connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	6
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	10 mm ²
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 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.	0.25 mm ²
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

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Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
Stripping length	18 mm
Internal cylindrical gage	A6

classifications

eCl@ss

eCl@ss 4.0	27141121
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 2.0	EC000897
ETIM 3.0	EC000897
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

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

Approval details

IECEX	
Nominal voltage UN	550 V
Nominal current IN	50 A
mm ² /AWG/kcmil	1.5-10

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approvals

ATEX

Nominal voltage UN	550 V
Nominal current IN	50 A
mm ² /AWG/kcmil	1.5-10

CSA

Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	65 A	65 A
mm ² /AWG/kcmil	16-6	16-6

UL Recognized

Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	65 A	65 A
mm ² /AWG/kcmil	16-6	16-6

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	800 V
Nominal current IN	57 A
mm ² /AWG/kcmil	1.5-10

cUL Recognized

Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	65 A	65 A
mm ² /AWG/kcmil	16-6	16-6

LR

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approvals

GL	
Nominal voltage UN	800 V
Nominal current IN	57 A
mm ² /AWG/kcmil	10

BV

DNV

RS

KR

NK

IECEE CB Scheme	
Nominal voltage UN	800 V
Nominal current IN	
mm ² /AWG/kcmil	1.5-10

GOST

Nominal voltage UN	800 V
Nominal current IN	57 A
mm ² /AWG/kcmil	1.5-10

Nominal voltage UN	800 V
Nominal current IN	

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approvals

mm ² /AWG/kcmil	10
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accessories

End cover

D-ST 10 - 3036644



Screwdriver tools

SZF 3-1,0X5,5 - 1206612



Marker pen

X-PEN 0,35 - 0811228



Labeled terminal marker

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accessories

WST 10/35 - 3030006



ZB 10 CUS - 0824941



ZB10,LGS:FORTL.ZAHLEN - 1053014



ZB10,QR:FORTL.ZAHLEN - 1053027



ZB10,LGS:GLEICHE ZAHLEN - 1053030



ZB10,LGS:L1-N,PE - 1053412



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ZB10,LGS:U-N - 1053438



UC-TM 10 CUS - 0824605



UCT-TM 10 CUS - 0829623



Documentation

ST-IL - 3039900



Bridge

FBS 2-10 - 3005947



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accessories

RB ST 10-(2,5/4) - 3030873



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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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



Terminal marking

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accessories

ZB 10:UNBEDRUCKT - 1053001



UC-TM 10 - 0818069



UCT-TM 10 - 0829142



Test plug terminal block

MPS-MT - 0201744



Insulating sleeve

MPS-IH WH - 0201663



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accessories

MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



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accessories

Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

E/UK - 1201442



E/UK 1 - 1201413



CLIPFIX 35 - 3022218



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accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



Drawings

Circuit diagram



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