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Bolt connection terminal block, Connection type: Bolt connection, Cross section: 2.5 mm² - 35 mm², AWG: 14 - 2, Nominal current: 125 A, Nominal voltage: 1000 V, Length: 84 mm, Width: 20.3 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

Why buy this product

- The special clamping nuts can be actuated with a normal screwdriver
- Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- ☑ Quick and easy connection thanks to hinged cover flaps which hold the clamping nuts captive. When the flaps are open, the connection bolt is freely accessible and the cable lugs can be hooked in; after closing and engaging the flaps
- The screws are secured against loosening by captive spring-loaded spacers
- Large-surface labeling options in the terminal center and above the terminal points
- The use of the switching lock effectively prevents unintentional switching
- The hinged cover cover the live metal parts including the insulated cable lugs in the clamping area so that they are touch proof
- ☑ Testing with the standardized test adapters and test plugs of the CLIPLINE complete system.
- Tested for railway applications





Key Commercial Data

Packing unit	25 pc
Minimum order quantity	25 pc
GTIN	4 046356 140027
Weight per Piece (excluding packing)	95.72 g
Custom tariff number	85369010
Country of origin	China

Technical data

General

Note	Note: the BE-RT path extension is to be used for non-insulated cable lugs (see accessories).
Number of levels	1
Number of connections	2



Technical data

General

Color gray Insulating meterial PA Flammability rating according to UL 94 V0 Area of application Railway industry Read of application Realway industry Record of application Process industry Rated surge voltage B kV Degree of pollution 3 Overvoltage category III Insulating material group I Connection in acc, with standard IEC 60947-7-1 Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I _k 125 A (with 35 mm² conductor cross section) Nominal voltage U _k 1000 V (Rated voltage for open disconnect point 500 V) Open side panel ja Nominal voltage U _k 1000 V (Rated voltage for open disconnect point 500 V) Open side panel ja Nominal voltage U _k 1000 V (Rated voltage for open disconnect point 500 V) Open side panel ja Number of positions 1 1 1 Shock protection test specification UiN E 50274 (VDE 0660-514):2002-11 Back of t	Nominal cross section	35 mm²
Flammability rating according to UL 94 Area of application Area of	Color	gray
Area of application Railway industry Image: Common of the properties of the prop	Insulating material	PA
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Plant engineering Process industry	Area of application	Railway industry
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Rated surge voltage Degree of pollution Overvoltage category III III Insulating material group III Connection in acc. with standard IEC 60947-7-1 Maximum load current Maximum load current Mominal current I _N Nominal current I _N Nominal voltage U _N Open side panel Igain load surge voltage test posterious load of the hand protection Result of surge voltage test setpoint Result of power-frequency withstand voltage setpoint Result of flue first for mechanical stability of terminal points (5 x x onductor cross section) Result of flue fit for orarrier Result of to carrier Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechanical stability of terminal points (5 x onductor connection) Result of the test for mechan		Plant engineering
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Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 10 N Result of voltage-drop test Test passed Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 35 mm² Short-time current 4.2 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Result of power-frequency withstand voltage test	Test passed
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Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 35 mm² Short-time current 4.2 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test passed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Setpoint	10 N
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Conductor cross section short circuit testing Short-time current 4.2 kA Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Test passed Test passed Test passed DIN EN 50155 (VDE 0115-200):2008-03	Result of temperature-rise test	Test passed
Short-time current 4.2 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s Oscillation, broadband noise test result Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Short circuit stability result	Test passed
Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test passed Test passed Test passed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Conductor cross section short circuit testing	35 mm²
Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Short-time current	4.2 kA
Oscillation, broadband noise test result Test passed Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Result of thermal test	Test passed
Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03	Proof of thermal characteristics (needle flame) effective duration	30 s
	Oscillation, broadband noise test result	Test passed
Test spectrum Service life test category 1, class B, body mounted	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
	Test spectrum	Service life test category 1, class B, body mounted



Technical data

General

Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
ASD level	0.02 g²/Hz
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock 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.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	120 °C

Dimensions

Width	20.3 mm
End cover width	2.2 mm
Length	84 mm
Height NS 35/7,5	63.8 mm
Height NS 35/15	71.3 mm

Connection data

Note	Connection bolts
Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	2
Conductor cross section flexible min.	2.5 mm²
Conductor cross section flexible max.	35 mm²
Min. AWG conductor cross section, flexible	14
Max. AWG conductor cross section, flexible	2
Cable lug connection according to standard	DIN 46 234
Min. cross section for cable lug connection	2.5 mm²
Max. cross section for cable lug connection	35 mm²
Hole diameter	8.4 mm
Width	16 mm
Bolt diameter	8 mm
Cable lug connection according to standard	DIN 46237



Technical data

Connection data

Min. cross section for cable lug connection	2.5 mm²
Max. cross section for cable lug connection	6 mm²
Hole diameter	8.4 mm
Width	14 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	4.5 Nm
Tightening torque max	5 Nm

Standards and Regulations

Connection in acc. with standard	CUL
	IEC 60947-7-1
	DIN 46 234
	DIN 46237
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
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
eCl@ss 9.0	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 Approvals Approvals UL Recognized / VDE Zeichengenehmigung / cUL Recognized / ABS / IECEE CB Scheme / VDE Zeichengenehmigung / EAC / EAC / cULus Recognized Ex Approvals ATEX / IECEx / EAC Ex Approvals submitted Approval details UL Recognized **\$\)** В С Nominal current IN 130 A 130 A Nominal voltage UN 600 V 600 V VDE Zeichengenehmigung 🌥 mm²/AWG/kcmil 2.5-35 Nominal current IN 125 A Nominal voltage UN 1000 V cUL Recognized **9** В С Nominal current IN 130 A 130 A Nominal voltage UN 600 V 600 V

IECEE CB Scheme	CB soleme

ABS



Approvals

VDE Zeichengenehmigung 🚳	
mm²/AWG/kcmil	2.5-35
Nominal current IN	125 A
Nominal voltage UN	1000 V

EAC

EAC

Accessories

Accessories

DIN rail

DIN rail perforated - NS 35/7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m $\,$

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



DIN rail 35 mm (NS 35)



Accessories

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



DIN rail 35 mm (NS 35)

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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

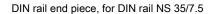


DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m



Accessories

End cap - NS 35/7,5 CAP - 1206560





DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)



Accessories

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15



Accessories

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray



Accessories

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

End cover

End cover - D-RT 8 - 3049194



Cover, width: 2.2 mm, color: gray

Path extension - BE-RT 8 - 3049916



Path extension

Jumper

Plug-in bridge - FBS 2-10 - 3005947



Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBS 5-10 - 3005948



Plug-in bridge, Number of positions: 5, Color: red

Labeled terminal marker



Accessories

Zack marker strip - ZB 16,3 CUS - 0824946



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 16.3 mm, Lettering field: 10.5 x 16.25 mm

Zack marker strip - ZB 20,3 CUS - 0824948



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 20.3 mm, Lettering field: 10.5 x 20.25 mm

Partition plate

Partition plate - TPN-UK - 3003062



Partition plate, Length: 110 mm, Width: 2 mm, Height: 69 mm, Color: gray

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Zack marker strip - ZB 16,3:UNPRINTED - 0820222



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 16.3 mm, Lettering field: 10.5 x 16.25 mm



Accessories

Zack marker strip - ZB 20,3:UNPRINTED - 0820248



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 20.3 mm, Lettering field: $10.5 \times 20.25 \text{ mm}$

Drawings

Circuit diagram

 $\circ \hspace{-1pt} \longrightarrow \hspace{-1pt} \circ$

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