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Disconnect terminal block with bolt connection method, cross section: 0.1 - 6 mm², AWG: 26 - 10, width: 16.3 mm, color: gray

### Why buy this product

- Four bridge shafts per terminal block
- 🗹 Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- ☑ Large-surface labeling options in the terminal center and above the terminal points
- The use of the switching lock effectively prevents unintentional switching



## **Key Commercial Data**

Packing unit	1 STK
Minimum order quantity	25 STK
GTIN	4 046356 140010
GTIN	4046356140010
Weight per Piece (excluding packing)	40.610 g
Custom tariff number	85369010
Country of origin	China

## Technical data

#### General

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



# Technical data

## General

Number of connections         2           Potentials         1           Nominal cross section         6 mm²           Color         gray           Insulating material         PA           Flammability rating according to UL 94         V0           Rated surge voltage         6 kV           Degree of pollution         3           Overvoltage category         III           Insulating material group         1           Maximum load current         41 A (with 6 mm² conductor cross section)           Maximum load current         41 A (with 6 mm² conductor cross section)           Mominal voltage U <sub>N</sub> 1000 V (Rated voltage for open disconnect point 500 V)           Open side panel         Yes           Back of the hand protection         guaranteed           Result of surge voltage test septionit         7.3 kV           Surge voltage test setpoint         7.3 kV           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Power frequency withstand voltage setpoint         1.89 kV           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Result of the test for mechanical stability of terminal points (5 x conductor consident of the test for mechanical stability		
Nominal cross section         6 mm²           Color         gray           Insulating material         PA           Flammability rating according to UL 94         V0           Rated surge voltage         6 kV           Degree of pollution         3           Overvoltage category         III           Insulating material group         II           Maximum power dissipation for nominal condition         1.31 W           Maximum load current In,         41 A (with 6 mm² conductor cross section)           Nominal vortage Un         1000 V (Rated voltage for open disconnect point 500 V)           Open side panel         Yes           Shock protection test specification         IEC 60529-2001-02           Back of the hand protection         IEC 60529-2001-02           Result of surge voltage test         Test passed           Surge voltage test septorit         7.3 kV           Result of power-frequency withstand voltage set point         1.89 kW           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Result of voltage-drop test         Test passed           Result of voltage-drop test         Test passed <td>Number of connections</td> <td>2</td>	Number of connections	2
Color         gray           Insulating material         PA           Flammability rating according to UL 94         VO           Rated surge voltage         6 kV           Degree of pollution         3           Overvoltage category         III           Insulating material group         I           Maximum power dissipation for nominal condition         1.31 W           Maximum load current Ing         41 A (with 6 mm² conductor cross section)           Nominal current Ing         41 A           Nominal voltage Ung         1000 V (Rated voltage for open disconnect point 500 V)           Open side panel         Yes           Stock protection test specification         IEC 60529:2001-02           Back of the hand protection         guaranteed           Result of surge voltage test         Test passed           Surge voltage test setpoint         Test passed           Result of beyower-frequency withstand voltage test         Test passed           Result of the test for mechanical stability of terminal points (6 x conductor connection)         Test passed           Result of viltage-drop test         Test passed           Result of viltage-drop test         Test passed           Result of temperature-rise test         Test passed           Result of temperature-rise te	Potentials	1
Insulating material	Nominal cross section	6 mm <sup>2</sup>
Flammability rating according to UL 94         VO           Rated surge voltage         6 kV           Degree of poliution         3           Overvoltage category         III           Insulating material group         1           Maximum power dissipation for nominal condition         1.31 W           Maximum load current In         41 A (with 6 mm² conductor cross section)           Nominal voltage Un         41 A           Nominal voltage Un         41 A           Nominal voltage Un         1000 V (Rated voltage for open disconnect point 500 V)           Open side panel         Yes           Shock protection test specification         IEC 60529/2001-02           Back of the hand protection         guaranteed           Result of surge voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage setpoint         7.3 kV           Result of power-frequency withstand voltage setpoint         1.88 kV           Result of it good it it in a support         Test passed           Result of fight fit on support         Test passed           Result of voltage-drop test         Test passed           Result of voltage-drop test         Test passed           Result of temperature-rise test         Test passed           Short circuit stability result	Color	gray
Rated surge voltage         6 kV           Degree of pollution         3           Overvoltage category         III           Insulating material group         I           Maximum power dissipation for nominal condition         1.31 W           Maximum load current I <sub>V</sub> 41 A (with 6 mm² conductor cross section)           Nominal current I <sub>V</sub> 41 A           Nominal voltage U <sub>N</sub> 1000 (Yeated voltage for open disconnect point 500 V)           Open side panel         Yes           Shock protection lest specification         IEC 60529:2001-02           Back of the hand protection         guaranteed           Result of surge voltage test setypinit         7.3 kV           Result of power-frequency withstand voltage test         Test passed           Power frequency withstand voltage setpoint         1.89 kV           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Setpoint         5 N           Result of light fit on support         Test passed           Requirements, voltage drop         ≤ 6.4 mV           Result of voltage-drop test         Test passed           Short circuit stability result<	Insulating material	PA
Degree of pollution         3           Overvoltage category         III           Insulating material group         1           Maximum power dissipation for nominal condition         4.1 A (with 6 mm² conductor cross section)           Nominal current I <sub>N</sub> 4.1 A           Nominal voltage U <sub>N</sub> 1000 V (Rated voltage for open disconnect point 500 V)           Open side panel         Yes           Shock protection test specification         IEC 60529:2001-02           Back of the hand protection         guaranteed           Besult of surge voltage test         Test passed           Surge voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage test         Test passed           Power frequency withstand voltage setpoint         1.89 kV           Result of the test for mechanical stability of terminal points (5 x conduct)         Test passed           Result of tight fit on surport         Test passed           Result of tight fit on surport         Test passed           Result of voltage-drop test         Test passed           Result of tight fit on surport         Test passed           Result of temperature-rise test         Test passed           Support frequency withstand voltage drop         5 M           Result of timperature-rise test         <	Flammability rating according to UL 94	V0
Overvoltage category         III           Insulating material group         I           Maximum power dissipation for nominal condition         1.31 W           Maximum load current         41 A (with 6 mm² conductor cross section)           Mominal voltage Unit         41 A           Nominal voltage Unit         1000 V (Rated voltage for open disconnect point 500 V)           Open side panel         Yes           Shock protection test specification         IEC 60529:2001-02           Back of the hand protection         guaranteed           Result of surge voltage test         Test passed           Surge voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage test         Test passed           Power frequency withstand voltage setpoint         1.89 kV           Result of the test for mechanical stability of terminal points (5 x conductor         Test passed           Result of tight fit on support         Test passed           Result of toltage-drop test         Test passed           Result of voltage-drop test         Test passed           Result of temperature-rise test         Test passed           Short circuit stability result         Test passed           Short circuit stability result         Test passed           Short directive filter filter filter filter fi	Rated surge voltage	6 kV
Insulating material group  Maximum power dissipation for nominal condition  Ain With 6 mm² conductor cross section)  Mominal current I <sub>N</sub> Nominal voltage U <sub>N</sub> Nominal voltage U <sub>N</sub> Open side panel  Stock protection test specification  Back of the hand protection  Back of the hand protection  Back of the hand protection  Back of the band protection  Back of the	Degree of pollution	3
Maximum power dissipation for nominal condition     1.31 W       Maximum load current     41 A (with 6 mm² conductor cross section)       Nominal voltage U <sub>N</sub> 1000 V (Rated voltage for open disconnect point 500 V)       Open side panel     Yes       Shock protection test specification     IEC 60529:2001-02       Back of the hand protection     guaranteed       Result of surge voltage test     Test passed       Surge voltage test setpoint     7.3 kV       Result of power-frequency withstand voltage setpoint     1.89 kV       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     5 N       Result of voltage-drop test     Test passed       Result of temperature-rise test     Test passed       Short circuit stability result     Test passed       Conductor cross section short circuit testing     6 mm²       Short-time current     0.72 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 possed     Test possed	Overvoltage category	III
Maximum load current     41 A (with 6 mm² conductor cross section)       Nominal current I <sub>N</sub> 41 A       Nominal voltage U <sub>N</sub> 1000 V (Rated voltage for open disconnect point 500 V)       Open side panel     Yes       Shock protection test specification     IEC 60529:2001-02       Back of the hand protection     guaranteed       Result of surge voltage test     Test passed       Surge voltage test setpoint     7.3 kV       Result of power-frequency withstand voltage test     Test passed       Power frequency withstand voltage setpoint     1.89 kV       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     5 N       Result of voltage-drop test     Test passed       Requirements, voltage drop     ≤ 6.4 mV       Result of temperature-rise test     Test passed       Short circuit stability result     Test passed       Conductor cross section short circuit testing     6 mm²       Result of thermal test     Test passed       Proof of thermal characteristics (needle flame) effective duration     30 s       Oscillation, broadband noise test result     Test passed       Test passed     Test passed	Insulating material group	I
Nominal current I <sub>N</sub> Nominal voltage U <sub>N</sub> 1000 V (Rated voltage for open disconnect point 500 V) Open side panel Yes Shock protection test specification Back of the hand protection guaranteed Result of surge voltage test Test passed Surge voltage test setpoint 7.3 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 1.89 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of tight fit on support Test passed Setpoint Solution ordinary Result of voltage-drop test Result of voltage-drop test Result of voltage-drop test Result of temperature-rise test Test passed Conductor cross section short circuit testing Formal Result of thermal test Test passed Conductor cross section short circuit testing Formal Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration DIN EN 50155 (VDE 0115-200):2008-03	Maximum power dissipation for nominal condition	1.31 W
Nominal voltage Un     1000 V (Rated voltage for open disconnect point 500 V)       Open side panel     Yes       Shock protection test specification     IEC 60529:2001-02       Back of the hand protection     guaranteed       Result of surge voltage test     Test passed       Surge voltage test setpoint     7.3 kV       Result of power-frequency withstand voltage setpoint     1.89 kV       Power frequency withstand voltage setpoint     1.89 kV       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     5 N       Result of voltage-drop test     Test passed       Requirements, voltage drop     < 6.4 mV	Maximum load current	41 A (with 6 mm² conductor cross section)
Open side panel       Yes         Shock protection test specification       IEC 60529:2001-02         Back of the hand protection       guaranteed         Result of surge voltage test       Test passed         Surge voltage test setpoint       7.3 kV         Result of power-frequency withstand voltage test       Test passed         Power frequency withstand voltage setpoint       1.89 kV         Result of the test for mechanical stability of terminal points (5 x conductor connection)       Test passed         Result of tight fit on support       Test passed         Result of tight fit on support       NS 35         Setpoint       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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 passed       DIN EN 50155 (VDE 0115-200):2008-03	Nominal current I <sub>N</sub>	41 A
Shock protection test specification       IEC 60529:2001-02         Back of the hand protection       guaranteed         Result of surge voltage test       Test passed         Surge voltage test setpoint       7.3 kV         Result of power-frequency withstand voltage test       Test passed         Power frequency withstand voltage setpoint       1.89 kV         Result of the test for mechanical stability of terminal points (5 x conductor connection)       Test passed         Result of tight fit on support       Test passed         Result of tight fit on carrier       NS 35         Setpoint       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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 passed       Test passed         DIN EN 50155 (VDE 0115-200):2008-03	Nominal voltage U <sub>N</sub>	1000 V (Rated voltage for open disconnect point 500 V)
Back of the hand protection  Result of surge voltage test  Surge voltage test setpoint  7.3 kV  Result of power-frequency withstand voltage test  Power frequency withstand voltage setpoint  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of tight fit on support  Test passed  Test passed  Tight fit on carrier  NS 35  Setpoint  Result of voltage-drop test  Requirements, voltage drop  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  O.72 kA  Result of themal characteristics (needle flame) effective duration  Oscillation, broadband noise test result  Test passed  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	Open side panel	Yes
Result of surge voltage test setpoint       Test passed         Surge voltage test setpoint       7.3 kV         Result of power-frequency withstand voltage test       Test passed         Power frequency withstand voltage setpoint       1.89 kV         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       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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 passed       DIN EN 50155 (VDE 0115-200):2008-03	Shock protection test specification	IEC 60529:2001-02
Surge voltage test setpoint       7.3 kV         Result of power-frequency withstand voltage setpoint       1.89 kV         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       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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	Back of the hand protection	guaranteed
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of tight fit on support Test passed  Result of tight fit on support Test passed  Tight fit on carrier NS 35  Setpoint Setpoint Result of voltage-drop test Requirements, voltage drop \$\leq 6.4 \text{ mV}\$  Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing Short-time current O.72 kA  Result of thermal test Proof of thermal characteristics (needle flame) effective duration Oscillation, broadband noise test result Test spassed  DIN EN 50155 (VDE 0115-200):2008-03	Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint       1.89 kV         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       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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	Surge voltage test setpoint	7.3 kV
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       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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
connection)       Test passed         Result of tight fit on support       Test passed         Tight fit on carrier       NS 35         Setpoint       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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	Power frequency withstand voltage setpoint	1.89 kV
Tight fit on carrier       NS 35         Setpoint       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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		Test passed
Setpoint       5 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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 tight fit on support	Test passed
Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 6,4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       6 mm²         Short-time current       0.72 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	Tight fit on carrier	NS 35
Requirements, voltage drop ≤ 6,4 mV  Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 6 mm²  Short-time current 0.72 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	5 N
Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 6 mm²  Short-time current 0.72 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 passed  DIN EN 50155 (VDE 0115-200):2008-03	Result of voltage-drop test	Test passed
Short circuit stability result  Conductor cross section short circuit testing  6 mm²  Short-time current  0.72 kA  Result of thermal test  Test passed  Proof of thermal characteristics (needle flame) effective duration  Oscillation, broadband noise test result  Test passed  DIN EN 50155 (VDE 0115-200):2008-03	Requirements, voltage drop	≤ 6,4 mV
Conductor cross section short circuit testing 6 mm²  Short-time current 0.72 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 temperature-rise test	Test passed
Short-time current  Result of thermal test  Test passed  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 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  DIN EN 50155 (VDE 0115-200):2008-03	Conductor cross section short circuit testing	6 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	0.72 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	1.857 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	0,8 g
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))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

## Dimensions

Width	16.3 mm
End cover width	2.2 mm
Length	91.4 mm
Height NS 35/7,5	49.9 mm
Height NS 35/15	57.4 mm

## Connection data



# Technical data

## Connection data

Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible min.	0.1 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	10
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	0.5 mm <sup>2</sup>
Max. cross section for cable lug connection	6 mm²
Hole diameter, min.	5.3 mm
Cable lug width, max.	10 mm
Bolt diameter	5 mm
Cable lug connection according to standard	DIN 46237
Min. cross section for cable lug connection	1 mm²
Max. cross section for cable lug connection	6 mm²
Hole diameter, min.	5.3 mm
Cable lug width, max.	10 mm
Bolt diameter	5 mm
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	3 Nm
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

## Standards and Regulations

Connection in acc. with standard	CUL
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

## **Environmental Product Compliance**

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

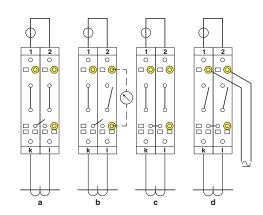


# Drawings

#### Circuit diagram

### ما أ

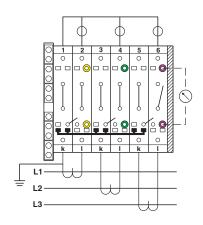
#### Connection diagram



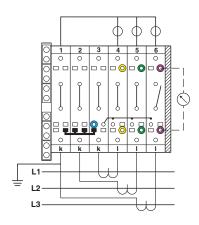
Simple current transformer test circuit

- a = normal operation
- b = measured value testing
- c = transformer testing
- d = relay testing

## Connection diagram



## Connection diagram



Three-phase transducer test set

Three-phase linked transducer test set

## Classifications

## eCl@ss

eCl@ss 4.0	27141126



# Classifications

## eCl@ss

eCl@ss 4.1	27141126
eCl@ss 5.0	27141126
eCl@ss 5.1	27141126
eCl@ss 6.0	27141126
eCl@ss 7.0	27141126
eCl@ss 8.0	27141126
eCl@ss 9.0	27141120

## **ETIM**

ETIM 2.0	EC000902
ETIM 3.0	EC000902
ETIM 4.0	EC000902
ETIM 5.0	EC000902
ETIM 6.0	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 / cUL Recognized / ABS / cULus Recognized

Ex Approvals

Approval details



## Approvals

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE	
	В	С
Nominal current IN	30 A	30 A
Nominal voltage UN	600 V	600 V

cUL Recognized	. <b>91</b>	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60	
		В	С
Nominal current IN		30 A	30 A
Nominal voltage UN		600 V	600 V

ABS		http://www.eagle.org/eagleExternalPortalWEB/	10-HG580261-PDA

cULus Recognized CSUUS

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

#### Accessories

### Accessories

DIN rail

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



#### Accessories

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Steel, Galvanized, white passivated, length: 2000 mm, color: white

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Steel, Galvanized, white passivated, length: 2000 mm, color: white

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

DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Steel, galvanized, length: 2000 mm, color: silver



#### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, in acc. with EN 60715: 2001, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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

DIN rail end piece, for DIN rail NS 35/7.5



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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Steel, Galvanized, white passivated, length: 2000 mm, color: white



#### Accessories

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Steel, Galvanized, white passivated, length: 2000 mm, color: white

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Aluminum, uncoated, length: 2000 mm, color: silver

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



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Steel, galvanized, length: 2000 mm, color: silver

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



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715: 2001, material: Copper, uncoated, length: 2000 mm, color: copper-colored



#### Accessories

End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, in acc. with EN 60715: 2001, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

#### 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



### Accessories

End clamp - E/UK - 1201442



End clamp, width: 9.5 mm, height: 35.3 mm, material: PA, length: 50.5 mm, Mounting on a DIN rail NS 32 or NS 35, color: gray

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 5-T - 3049291



End cover, length: 90.4 mm, width: 2.2 mm, height: 42.2 mm, color: gray

## Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red





## Accessories

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



Jumper



## Accessories

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Plug-in bridge - FBS 4-8 - 3030307



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: red

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: red



### Accessories

Plug-in bridge - FBSR 2-8 - 3033808



Plug-in bridge, pitch: 8.2 mm, width: 14.8 mm, number of positions: 2, color: red

Plug-in bridge - FBSR 3-8 - 3001597



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Plug-in bridge - FBSR 4-8 - 3000585



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

Plug-in bridge - FBSR 5-8 - 3033809



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: red

Plug-in bridge - FBSR 10-8 - 3001599



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: red



### Accessories

Plug-in bridge - FBS 2-8 CT - 3033830



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: orange

Plug-in bridge - FBS 3-8 CT - 3033831



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: orange

Plug-in bridge - FBS 4-8 CT - 3033832



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: orange

Plug-in bridge - FBS 10-8 CT - 3033833



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: orange

Plug-in bridge - FBS 2-8 BU - 3032567



Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: blue



## Accessories

Plug-in bridge - FBS 3-8 BU - 3032570



Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: blue

Plug-in bridge - FBS 4-8 BU - 3032583



Plug-in bridge, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: blue

Plug-in bridge - FBS 5-8 BU - 3032596



Plug-in bridge, pitch: 8.2 mm, width: 39.3 mm, number of positions: 5, color: blue

Plug-in bridge - FBS 6-8 BU - 3032677



Plug-in bridge, pitch: 8.2 mm, width: 47.5 mm, number of positions: 6, color: blue

Plug-in bridge - FBS 10-8 BU - 3032606



Plug-in bridge, pitch: 8.2 mm, width: 80.3 mm, number of positions: 10, color: blue

Labeled terminal marker



#### Accessories

Zack marker strip - ZB 16 CUS - 0827463



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 mm, lettering field size: 10.5 x 16 mm

Zack marker strip - ZB 16,LGS:L1-N,PE - 0827462



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 16.3 mm, lettering field size: 10.5 x 16.25 mm

Marker for terminal blocks - UC-TM 16 CUS - 0824621



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm

Marker for terminal blocks - UCT-TM 16 CUS - 0829637



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 14.8 x 9.6 mm

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 size: 10.5 x 16.25 mm

Partition plate



### Accessories

Partition plate - TPNS-UK - 0706647



Partition plate, length: 80 mm, width: 2 mm, height: 70 mm, color: gray

Separating plate - TS-UT 6-T/SP - 3072821



Separating plate, length: 105.2 mm, width: 1 mm, height: 67.5 mm, color: gray

Spacer plate - DP PS-8 - 3036741



Spacer plate, length: 22.4 mm, width: 8.2 mm, height: 29 mm, number of positions: 1, color: red

## Protective cap

Path extension - BE-RT 3/5 - 3049819



Path extension, color: gray

### Short-circuit connector

Short-circuit connector - FBSRH 2-8 - 3033802



Short-circuit connector, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red



## Accessories

Short-circuit connector - FBSRH 3-8 - 3033803



Short-circuit connector, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: red

Short-circuit connector - FBSRH 4-8 - 3033804



Short-circuit connector, pitch: 8.2 mm, width: 31.1 mm, number of positions: 4, color: red

#### Socket spanner

Tool - SHN 8 - 1209868



Socket wrench, wrench size 8 mm

#### Switching jumper

Switching jumper - SB-MER 2-8 - 3000587



Switching jumper, pitch: 8.2 mm, length: 24.7 mm, width: 16.4 mm, number of positions: 2, color: gray/orange

Switching lock



#### Accessories

Switching lock - S-RT 5-T - 3049330



Switching lock, length: 15.65 mm, width: 8.3 mm, height: 26.5 mm, color: white

#### Terminal marking

Zack marker strip - ZB 16:UNPRINTED - 0827461



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 16 x 10.5 mm

Marker for terminal blocks - UC-TM 16 - 0819217



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm

Marker for terminal blocks - UCT-TM 16 - 0829146



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 14.8 x 9.6 mm

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



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 16.3 mm, lettering field size: 10.5 x 16.25 mm



## Accessories

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: silver

Test plugs - PS-8 - 3031005



Test plugs, color: red

Test plugs - PS-8/2,3MM RD - 3048564



Test plugs, color: red

#### Test socket

Test adapter - PAI-4-N GY - 3032871



4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

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