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Lever-type disconnect terminal block, nom. voltage: 500 V, nominal current: 16 A, connection method: Screw connection, cross section: 0.5 mm² - 6 mm², AWG: 20 - 10, length: 58 mm, width: 8.2 mm, color: black/ orange, mounting: NS 35/7,5, NS 35/15, NS 32



Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 0 4 6 3 5 6 7 0 7 9 5 4
GTIN	4046356707954
Weight per Piece (excluding packing)	11.870 g
Custom tariff number	85369095
Country of origin	China

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	4 mm²
Color	black/orange
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	I
Ambient temperature (operation)	-60 85 ()
Ambient temperature (storage/transport)	-25 55
Ambient temperature (assembly)	-5 70



Technical data

General

Ambient temperature (actuation) Connection in acc. with standard IEC 60947-7-1 Nominal current I _N Nominal current I _N Nominal current I _N Nominal current Nominal current Nominal voltage U _N Soo V Open side panel Yes Number of positions 1 Shock protection test specification Din EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Guaranteed Finger protection Guaranteed Finger protection Finger		
Nominal current I _N Maximum load current 18 A (with 4 mm² conductor cross section) Nominal voltage U _N 500 V Open side panel Yes Number of positions 1 Shock protection test specification Bask of the hand protection Finger protection Guaranteed Finger protection Finger protection Finger protection Guaranteed Finger protection Finger protection Guaranteed Finger protection Finger protection Guaranteed Finger protection Guaranteed Finger protection Finger protection Guaranteed Finger protection Guaranteed Finger protection Guaranteed Finger protection Finger protection Finger protection Guaranteed Finger protection	Ambient temperature (actuation)	-5 70
Maximum load current 16 A (with 4 mm² conductor cross section) Nominal voltage U _N 500 V Open side panel Yes Number of positions 1 DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection Back of the hand protection guaranteed Finger protection Result of surge voltage test Surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Test passed Test passed Frest passed Test pa	Connection in acc. with standard	IEC 60947-7-1
Nominal voltage U _k Open side panel Yes Number of positions 1 Shock protection test specification DIN EN 50274 (VDE 0860-514):2002-11 Back of the hand protection guaranteed Finger protection Finger protection Surge voltage test Test passed Surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint Result of power-frequency withstand voltage setpoint Result of power-frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bendring test Bending test rotation speed Bending test turns Bending test turns Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Tensile test result Tensile test result Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 4 mm² Tractive force setpoint Conductor cross section tensile test 6 mm² Tractive force setpoint Result of tight fit on support Tractive force setpoint NS 32/NS 35 Setpoint 1 N Result of Voltage-drop test Result of Voltage-drop test Test passed	Nominal current I _N	16 A
Open side panel Number of positions 1 Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection Guaranteed Guarantee Guar	Maximum load current	16 A (with 4 mm² conductor cross section)
Number of positions Shock protection test specification Back of the hand protection Back of the hand protection Back of the hand protection Guaranteed Result of surge voltage test Test passed Surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint Result of he test for mechanical stability of terminal points (5 x conductor connection) Test passed Power frequency and the test for mechanical stability of terminal points (5 x conductor connection) Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Bending test rotation speed Bending test rotation speed Bending test rotation speed Bending test conductor cross section/weight O.5 mm² (0.3 kg 4 mm² (0.3 kg 4 mm² (1.4 kg Tensile test result Test passed Conductor cross section tensile test O.5 mm² Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint Conductor cross section tensile test Tractive force setpoint Bo N Conductor cross section tensile test Tractive force setpoint Bo N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of typh fit on support Test passed Frequirements, voltage drop Result of temperature-rise test Test passed Frequirements, voltage frop Result of themperature-rise test Test passed Frequirements, voltage frop Result of themperature-rise test Test passed Frequirements contained test Frequirements contained test Test passed Frequirements contained test Fr	Nominal voltage U _N	500 V
Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Result of surge voltage test Surge voltage test setpoint 7.3 kV Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint Result of bending test for mechanical stability of terminal points (5 x conductor connection) Test passed Bending test tonductor connection Bending test turns 135 Bending test turns 135 Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint Conductor cross section tensile test 7 tractive force setpoint Conductor cross section tensile test Tractive force setpoint So N Result of fleft in support Tractive force setpoint NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Test passed Frequirements, voltage drop 2.3.2 mV Result of fumperature-rise test Test passed Frequirements, voltage drop So N Test passed Frequirements, voltage drop Frequirements, v	Open side panel	Yes
Back of the hand protection guaranteed Finger 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 the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test totation speed 10 rpm Bending test rotation speed 10 rpm Bending test conductor cross section/weight 0.5 mm² / 0.3 kg ### ### ### ### ### ### ### ### ### #	Number of positions	1
Finger protection guaranteed Result of surge voltage test setpoint 7.3 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.89 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 4 mm² Tractive force setpoint 80 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of bight fit on support Test passed Result of voltage-drop test 7 set passed Requirements, voltage drop 5.3.2 mv Result of tempal test test 1 Test passed Requirements, voltage drop 5.3.2 mv Result of tempal test in tensile test 7 test passed Conductor cross section tensile test 9 test passed Requirements, voltage drop 5.3.2 mv Result of temperature-rise test 7 test passed Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal characteristics (needle flame) effective duration 30 s	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Result of surge voltage test	Back of the hand protection	guaranteed
Surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test rotation speed Bending test conductor cross section/weight Do.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint Conductor cross section tensile test Fractive force setpoint Conductor cross section tensile test Test passed Tractive force setpoint Conductor cross section tensile test Tractive force setpoint Conductor cross section tensile test Tractive force setpoint Conductor cross section tensile test Tractive force setpoint So N Result of tight fit on support Test passed Test passed Test passed Requirements, voltage-drop test Test passed Short-time current Conductor cross section short circuit testing Short-time current Conductor cross section short circuit testing Test passed Test passed Test passed Tontoriut stabilify result Test passed Test passed Tontoriut stabilify result Test passed Test passed Tontoriut frequency withstand voltage drop Short-time current Conductor cross section short circuit testing Test passed Test passed Tontoriut frequency withstand voltage drop Short-time current Conductor cross section short circuit testing Test passed Tontoriut stabilify result Test passed Tontoriut frequency withstand voltage drop file file we duration Jo Short-time current Test passed Tontoriut frequency withstand voltage drop Test passed	Finger protection	guaranteed
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.89 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.5 mm² / 0.3 kg ### ### ### ### ### ### ### ### ### #	Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test turns Bending test turns 135 Bending test conductor cross section/weight 135 Bending test conductor cross section/weight 136 Bending test result 137 138 Bending test conductor cross section/weight 138 Bending test result 14 mm² / 0.3 kg 6 mm² / 1.4 kg Tensile test result Conductor cross section tensile test 15 mm² Tractive force setpoint 10 N Conductor cross section tensile test 14 mm² Tractive force setpoint 15 mm² Tractive force setpoint 16 N Conductor cross section tensile test 17 mactive force setpoint 18 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Test passed Requirements, voltage drop 15 st passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Froof of thermal test Test passed Froof of thermal test Test passed Froof of thermal characteristics (needle flame) effective duration 30 s	Surge voltage test setpoint	7.3 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed Bending test turns Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Test passed Conductor cross section tensile test 7 test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint Conductor cross section tensile test 6 mm² Tractive force setpoint Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop 4 3.2 mV Result of temperature-rise test Test passed Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Test passed Test passed Test passed	Result of power-frequency withstand voltage test	Test passed
conductor connection) Result of bending test Ending test rotation speed Ending test trotation speed Ending test trotation speed Ending test trotation speed Ending test trotation speed Ending test conductor cross section/weight Ending test conductor cross section/weight Ending test conductor cross section/weight Ending test result Ending tester Ending test result Ending tester Ending test result Ending test r	Power frequency withstand voltage setpoint	1.89 kV
Bending test rotation speed Bending test turns 135 Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop \$3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal test Test passed Test passed		Test passed
Bending test turns 135 Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Test passed Requirements, voltage drop Short circuit stability result Test passed Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal test Test passed	Result of bending test	Test passed
Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test 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 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal test Test passed Test passed	Bending test rotation speed	10 rpm
4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Test passed Requirements, voltage drop \$\leq\$ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal characteristics (needle flame) effective duration 30 s	Bending test turns	135
Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop 4 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal characteristics (needle flame) effective duration 30 s	Bending test conductor cross section/weight	0.5 mm² / 0.3 kg
Tensile test result Conductor cross section tensile test 0.5 mm² Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop 4 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal characteristics (needle flame) effective duration 30 s		4 mm² / 0.9 kg
Conductor cross section tensile test Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal characteristics (needle flame) effective duration 30 s		6 mm² / 1.4 kg
Tractive force setpoint Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Tensile test result	Test passed
Conductor cross section tensile test Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Conductor cross section tensile test	0.5 mm ²
Tractive force setpoint Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current NS 32/NS 35 Setpoint 1 N Test passed 1 N Test passed	Tractive force setpoint	20 N
Conductor cross section tensile test Tractive force setpoint Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing Short-time current Result of thermal test Test passed 7 Test passed 1.5 mm² 1.5	Conductor cross section tensile test	4 mm ²
Tractive force setpoint Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 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 Short-time current 0.18 kA Result of thermal test Test passed Test passed	Tractive force setpoint	60 N
Result of tight fit on support Test passed Tight fit on carrier NS 32/NS 35 Setpoint 1 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 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Conductor cross section tensile test	6 mm ²
Tight fit on carrier NS 32/NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop ≤ 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Test passed 7 Test passed 1.5 mm² Test passed 7 Test passed 7 Test passed 7 Test passed 8 Test passed 9 Test passed 1 Test passed	Tractive force setpoint	80 N
Setpoint 1 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 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Result of tight fit on support	Test passed
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 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Tight fit on carrier	NS 32/NS 35
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 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Setpoint	1 N
Result of temperature-rise test Test passed Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Test passed 7 m² 7 m² 7 m² 8 m² 9 m² 9 m² 9 m² 1.5 mm²	Result of voltage-drop test	Test passed
Short circuit stability result Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Requirements, voltage drop	≤ 3.2 mV
Conductor cross section short circuit testing 1.5 mm² Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Result of temperature-rise test	Test passed
Short-time current 0.18 kA Result of thermal test Test passed Proof of thermal characteristics (needle flame) effective duration 30 s	Short circuit stability result	Test passed
Result of thermal test Proof of thermal characteristics (needle flame) effective duration Test passed 30 s	Conductor cross section short circuit testing	1.5 mm²
Proof of thermal characteristics (needle flame) effective duration 30 s	Short-time current	0.18 kA
· · · · ·	Result of thermal test	Test passed
Relative insulation material temperature index (Elec., UL 746 B) 130 °C	Proof of thermal characteristics (needle flame) effective duration	
	Relative insulation material temperature index (Elec., UL 746 B)	130 °C



Technical data

General

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	8.2 mm
Length	58 mm
Height NS 35/7,5	50 mm
Height NS 35/15	57.6 mm
Height NS 32	55 mm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.5 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm²



Technical data

Connection data

Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	1.5 mm²
Cross section with insertion bridge, solid max.	4 mm²
Cross section with insertion bridge, stranded max.	4 mm²
Connection method	Screw connection
Stripping length	9 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

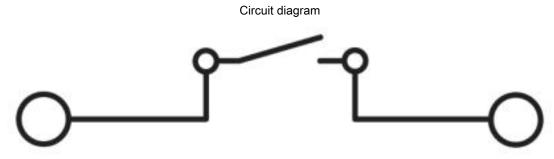
Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141126
eCl@ss 8.0	27141126



Classifications

eCl@ss

eCl@ss 9.0	27141126
ETIM	
ETIM 3.0	EC000902
ETIM 4.0	EC000902

ETIM 3.0	EC000902
ETIM 4.0	EC000902
ETIM 5.0	EC000902
ETIM 6.0	EC000902
ETIM 7.0	EC000902

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425		
	В	С	
Nominal voltage UN	600 V	600 V	
Nominal current IN	16 A	16 A	
mm²/AWG/kcmil	26-10	26-10	



Approvals

cUL Recognized	.71	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425		
		В	С	
Nominal voltage UN		600 V	600 V	
Nominal current IN		16 A	16 A	
mm²/AWG/kcmil		26-10	26-10	

EAC RU C- DE.A*30.B.0174	EAC	ERC	RU C- DE.A*30.B.01742
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EAC	EAC	RU C- DE.BL08.B.00534

cULus Recognized CFUs

Accessories

Accessories

DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



DIN rail perforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



DIN rail, unperforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver



Accessories

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



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

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



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

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



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

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



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



Accessories

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



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

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



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



Accessories

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



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

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, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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, 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, material: Steel, galvanized, length: 2000 mm, color: silver



Accessories

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, 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, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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, acc. to EN 60715, 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



Accessories

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 cover

End cover - D-UK 5-HESI N - 3000543



End cover, length: 58 mm, width: 2.2 mm, height: 35.05 mm, color: black

Insertion bridge

Insertion bridge - EBS 2- 8 - 3118151



Insertion bridge, pitch: 8 mm, number of positions: 2, color: gray

Insertion bridge - EBS 3-8-3118148



Insertion bridge, pitch: 8 mm, number of positions: 3, color: gray



Accessories

Insertion bridge - EBS 10-8 - 3118135



Insertion bridge, pitch: 8 mm, number of positions: 10, color: gray

Labeled terminal marker

Zack marker strip - ZB 6 CUS - 0824992



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip - ZB 6,LGS:GLEICHE ZAHLEN - 1051032



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10



Accessories

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 6 CUS - 0824589



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: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

Marker for terminal blocks - UCT-TM 6 CUS - 0829602



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: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.



Accessories

Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

Screwdriver tools

Screwdriver - SF-SL 0,6X3,5-100 S-VDE - 1212587



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60