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Sensor/actuator terminal block, connection method: Screw connection, cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, width: 6.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

#### Your advantages

Terminal blocks with red and green LEDs are available for optical signaling of the initiator and actuator wiring



### **Key Commercial Data**

Packing unit	50 pc
GTIN	4 017918 126773
GTIN	4017918126773

#### Technical data

#### General

Number of levels	3
Number of connections	6
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	4 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.77 W (the value is multiplied when connecting multiple levels)
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	15 A
Maximum load current	15 A (with 4 mm² conductor cross section)
Nominal voltage U <sub>N</sub>	250 V (the voltage is determined by the component used)



### Technical data

### General

Nominal current I <sub>a</sub> (upper level)  Maximum load current (upper level)  No   15 A (with 4 mm² conductor cross section)  Nominal voltage U <sub>a</sub>   250 V   250 V	Connection in acc. with standard	IEC 60947-7-1			
Nominal voltage U <sub>N</sub> Open side panel No Shock protection test specification DIN EN 50274 (VDE 0680-514):2002-11 Back of the hand protection guaranteed Finger protection Finger protection Finger protection Result of surge voltage test Test passed Test passed Test passed  Surge voltage test setpoint Result of power-frequency withstand voltage test Test passed Test passed  Power frequency withstand voltage setpoint Checking the mechanical stability of terminal points (5 x conductor connection) Result of power frequency withstand voltage setpoint Test passed Test passed Checking the mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Test passed  Do rpm Bending test trotalion speed To rpm 10 pm	Nominal current I <sub>N</sub> (upper level)	15 A			
Open side panel  Shock protection test specification  DIN EN 50274 (VDE 0660-514):2002-11  Back of the hand protection  guaranteed  Result of surge voltage test  Finger protection  Result of surge voltage test setpoint  Result of power-frequency withstand voltage test  Power frequency withstand voltage setpoint  Checking the mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Result of bending test  Result of bending test  Result of bending test totation speed  Bending test rotation speed  Bending test totation speed  Bending test stonductor cross section/weight  0.2 mm² / 0.2 kg  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result  Toest passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  Conductor cross section tensile test  Tractive force setpoint  Conductor cross section tensile test  Tractive force setpoint  So N  Conductor cross section tensile test  Tractive force setpoint  So N  Conductor cross section tensile test  Tractive force setpoint  So N  Conductor cross section tensile test  Tractive force setpoint  So N  Conductor cross section tensile test  Tractive force setpoint  So N  Conductor cross section tensile test  Tractive force setpoint  So N  Conductor cross section tensile test  Tractive force setpoint  NS 35  Setpoint  Tink  Result of light fit on support  Test passed  Conductor cross section short circuit testing  Test passed  Conductor cross section short circuit testing  Test passed	Maximum load current (upper level)	15 A (with 4 mm² conductor cross section)			
Shock protection test specification  Back of the hand protection  guaranteed  Finger protection  guaranteed  Finger protection  guaranteed  Fresult of surge voltage test  Surge voltage test setpoint  A.8 kV  Result of power-frequency withstand voltage test  Test passed  Power frequency withstand voltage setpoint  Checking the mechanical stability of terminal points (5 x conductor connection)  Test passed  Test passed  Test passed  Test passed  Test passed  Bending test rotation speed  Bending test rotation speed  Bending test rotation speed  Bending test conductor cross section/weight  O.2 mm² / 0.2 kg  2.5 mm² / 0.7 kg  Test passed  Conductor cross section tensile test  Test passed  Conductor cross section tensile test  Tractive force setpoint  To N  Conductor cross section tensile test  Tractive force setpoint  To N  Conductor cross section tensile test  Tractive force setpoint  To N  Conductor cross section tensile test  Test passed  Requirements, voltage-drop test  Test passed  Requirements, voltage-drop test  Test passed  Test passed  Conductor cross section short circuit testing  2.5 mm²  Short-time current  O.48 kA  Result of aging test  Test passed	Nominal voltage U <sub>N</sub>	250 V			
Back of the hand protection Finger protection Result of surge voltage test Frest passed  Result of surge voltage test setpoint  Result of power-frequency withstand voltage test Fost passed  Power frequency withstand voltage setpoint  Checking the mechanical stability of terminal points (5 x conductor connection)  Result of bending test Frest passed  Bending test rotation speed  Bending test totation speed  Bending test conductor cross section/weight  Oz mm² / 0.2 kg  Los mm² / 0.7 kg  A mm² / 0.9 kg  Test passed  Conductor cross section tensile test  Oz mm²  Tractive force setpoint  Conductor cross section tensile test  Do N  Conductor cross section tensile test  Tractive force setpoint  Find if the no support  Tractive force setpoint  Result of light fit on support  Test passed  Test passed  Fight fit on carrier  NS 35  Setpoint  N N  Result of voltage-drop test  Test passed  Fequirement, voltage drop  Sol 2.2 mv  Requirement, voltage drop 2nd level  Result of temperature-rise test  Test passed  Conductor cross section short circuit testing  Do N  Test passed  Foot drivent stability result  Test passed  Conductor cross section short circuit testing  Do N  Test passed  Foot drivent stability result  Test passed  Conductor cross section short circuit testing  Do N  Test passed	Open side panel	No			
Finger protection guaranteed  Result of surge voltage test Test passed  Surge voltage test setpoint 4.8 kV  Result of power-frequency withstand voltage test Test passed  Power frequency withstand voltage setpoint 1.5 kV  Checking the mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Result of bending test  Bending test rotation speed 10 rpm  Bending test rotation speed 10 rpm  Bending test conductor cross section/weight 0.2 mm² / 0.2 kg  Los mm² / 0.7 kg  4 mm² / 0.9 kg  Test passed  Conductor cross section tensile test 0.2 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 2.5 mm²  Tractive force setpoint 50 N  Result of light fit on support Test passed  Tractive force setpoint 60 N  Result of light fit on support Test passed  Requirement, voltage drop test Test passed  Requirement, voltage drop test Test passed  Conductor cross section tensile test Test passed  Requirement, voltage drop level 5.6 d mV  Result of temperature-rise test Test passed  Conductor cross section short circuit testing 2.5 mm²  Tractive force setpoint 1 Test passed  Requirement, voltage drop Requirement, voltage drop 2nd level 5.6 d mV  Result of temperature-rise test Test passed  Conductor cross section short circuit testing 2.5 mm²  Short-time current 0.3 kA  Conductor cross section short circuit testing 4 mm²  Finest of aging test Test passed	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11			
Result of surge voltage test Surge voltage test Surge voltage test septoint 4.8 kV  Result of power-frequency withstand voltage setpoint 1.5 kV  Checking the mechanical stability of terminal points (5 x conductor connection)  Test passed  Power frequency withstand voltage setpoint 1.5 kV  Checking the mechanical stability of terminal points (5 x conductor connection)  Test passed  Result of bending test  Bending test rotation speed 10 rpm  Bending test turns 1.35  Bending test conductor cross section/weight 0.2 mm² / 0.2 kg  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result Test passed  Conductor cross section tensile test 0.2 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 2.5 mm²  Tractive force setpoint 50 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Result of tight fit on support Test passed  Setpoint 1 N  Result of voltage-drop test Test passed  Setpoint 1 N  Result of voltage-drop test Test passed  Short circuit stability result Test passed  Short-time current 0.3 kA  Conductor cross section short circuit testing 2.5 mm²  Short-time current 0.48 kA  Result of aging test Test passed	Back of the hand protection	guaranteed			
Surge voltage test setpoint  Result of power-frequency withstand voltage test  Power frequency withstand voltage setpoint  Checking the mechanical stability of terminal points (6 x conductor connection)  Result of bending test  Bending test ordation speed  Bending test trons  Bending test trons  Bending test conductor cross section/weight  0.2 mm² / 0.2 kg  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  Conductor cross section tensile test  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  Conductor cross section tensile test  Tractive force setpoint  Tractive force setpoint  Conductor cross section tensile test  Tractive force setpoint  Tractive f	Finger protection	guaranteed			
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.5 kV Checking the mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Bending test rotation speed 10 rpm Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 0.2 mm² / 0.2 kg 2.5 mm² / 0.7 kg  Tensile test result Test passed Conductor cross section tensile test 0.2 mm² Tractive force setpoint 10 N Conductor cross section tensile test 2.5 mm² Tractive force setpoint 50 N Conductor cross section tensile test 4 mm² Tractive force setpoint 50 N Conductor cross section tensile test Tractive force setpoint 50 N Conductor cross section tensile test Tractive force setpoint 50 N Conductor cross section tensile test Tractive force setpoint 50 N Conductor cross section tensile test Tractive force setpoint 50 N Conductor cross section tensile test Tractive force setpoint 50 N Conductor cross section tensile test Tractive force setpoint 50 N Conductor cross section tensile test Test passed Tight fit on surport Test passed Tight fit on surport Test passed Test passed Requirements, voltage-drop test Test passed Test passed Short circuit stability result Test passed Short circuit stability result Test passed Short-time current 0.3 kA Conductor cross section short circuit testing Short-time current 0.48 kA Result of aging test Test passed	Result of surge voltage test	Test passed			
Power frequency withstand voltage setpoint Checking the mechanical stability of terminal points (5 x conductor connection)  Result of bending test Bending test rotation speed Bending test turns Bending test turns Bending test conductor cross section/weight  0.2 mm² / 0.2 kg 2.5 mm² / 0.7 kg 4 mm² / 0.9 kg  Tensile test result Test passed Conductor cross section tensile test 0.2 mm² Tractive force setpoint 10 N Conductor cross section tensile test 2.5 mm³ Tractive force setpoint 50 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop 2nd level Conductor cross section short circuit testing 1 conductor cross section short circuit testing 2.5 mm² Short-time current 0.48 kA Result of aging test Test passed	Surge voltage test setpoint	4.8 kV			
Checking the mechanical stability of terminal points (5 x conductor connection)  Test passed  Result of bending test  Bending test rotation speed  Bending test turns  135  Bending test conductor cross section/weight  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Conductor cross section tensile test  1 tractive force setpoint  60 N  Result of tight fit on support  Test passed  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  2.3 .2 mV  Requirements, voltage drop 2nd level  Short-time current  0.3 kA  Conductor cross section short circuit testing  Short-time current  0.48 kA  Result of aging test  Test passed	Result of power-frequency withstand voltage test	Test passed			
connection)  Result of bending test  Bending test rotation speed  Bending test rotation speed  Bending test turns  Bending test conductor cross section/weight  135  Bending test conductor cross section/weight  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  \$\leq 3.2 \text{ mV}\$  Result of temperature-rise test  Test passed  Short-time current  0.3 kA  Conductor cross section short circuit testing  \$\leq 4 \text{ mm²}\$  Test passed  Test passed  \$\leq 6.4 \text{ mV}\$  Result of temperature-rise test  Test passed  Conductor cross section short circuit testing  2.5 mm²  Short-time current  0.48 kA  Result of aging test  Test passed	Power frequency withstand voltage setpoint	1.5 kV			
Bending test rotation speed 10 rpm  Bending test turns 135  Bending test conductor cross section/weight 0.2 mm² / 0.2 kg  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result Test passed  Conductor cross section tensile test 0.2 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 2.5 mm²  Tractive force setpoint 50 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Result of tight fit on support Test passed  Seption 1 N  Result of voltage-drop test Test passed  Requirements, voltage drop 2nd level ≤ 6.4 mV  Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 2.5 mm²  Short-time current 0.48 kA  Result of aging test Test passed		Test passed			
Bending test turns  Bending test conductor cross section/weight  0.2 mm² / 0.2 kg  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  4 3.2 mV  Requirements, voltage drop 2nd level  Sont circuit stability result  Test passed  Test passed  Test passed  Test passed  Conductor cross section short circuit testing  2.5 mm²  Short-time current  0.3 kA  Result of aging test  Test passed	Result of bending test	Test passed			
Bending test conductor cross section/weight  2.5 mm² / 0.2 kg  2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  \$3.2 mV  Requirements, voltage drop 2nd level  \$6.4 mV  Result of temperature-rise test  Test passed  Conductor cross section short circuit testing  Short-time current  0.3 kA  Result of aging test  Test passed	Bending test rotation speed	10 rpm			
2.5 mm² / 0.7 kg  4 mm² / 0.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Requirements, voltage drop  Result of temperature-rise test  Test passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  1 m²  Short-time current  0.48 kA  Result of aging test  Test passed	Bending test turns	135			
4 mm² / 0.9 kg	Bending test conductor cross section/weight	0.2 mm² / 0.2 kg			
Tensile test result  Conductor cross section tensile test  0.2 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  ≤ 3.2 mV  Requirement, voltage drop 2nd level  Short circuit stability result  Test passed  Conductor cross section short circuit testing  Short-time current  0.48 kA  Result of aging test  Test passed  Test passed		2.5 mm² / 0.7 kg			
Conductor cross section tensile test 0.2 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 2.5 mm²  Tractive force setpoint 50 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Result of tight fit on support Test passed  Tight fit on carrier NS 35  Setpoint 1 N  Result of voltage-drop test Test passed  Requirements, voltage drop ≤ 3.2 mV  Requirement, voltage drop ≤ 6.4 mV  Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 2.5 mm²  Short-time current 0.3 kA  Conductor cross section short circuit testing 4 mm²  Short-time current 0.48 kA  Result of aging test Test passed		4 mm² / 0.9 kg			
Tractive force setpoint  Conductor cross section tensile test  2.5 mm²  Tractive force setpoint  50 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  4 mV  Result of temperature-rise test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  0.3 kA  Conductor cross section short circuit testing  Short-time current  0.48 kA  Result of aging test  Test passed	Tensile test result	Test passed			
Conductor cross section tensile test  Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Requirement, voltage drop 2nd level  Result of temperature-rise test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  0.3 kA  Conductor cross section short circuit testing  Short-time current  0.48 kA  Result of aging test  Test passed	Conductor cross section tensile test	0.2 mm²			
Tractive force setpoint 50 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Result of tight fit on support Test passed  Tight fit on carrier NS 35  Setpoint 1 N  Result of voltage-drop test Test passed  Requirements, voltage drop  ≤ 3.2 mV  Requirement, voltage drop 2 devel  ≤ 6.4 mV  Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 2.5 mm²  Short-time current 0.3 kA  Conductor cross section short circuit testing 4 mm²  Short-time current 0.48 kA  Result of aging test Test passed	Tractive force setpoint	10 N			
Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Result of tight fit on support Test passed  Tight fit on carrier NS 35  Setpoint 1 N  Result of voltage-drop test Test passed  Requirements, voltage drop ≤ 3.2 mV  Requirement, voltage drop 2 ≤ 4.4 mV  Result of temperature-rise test Test passed  Short circuit stability result Test passed  Conductor cross section short circuit testing 2.5 mm²  Short-time current 0.3 kA  Conductor cross section short circuit testing 4 mm²  Short-time current 0.48 kA  Result of aging test Test passed	Conductor cross section tensile test	2.5 mm²			
Tractive force setpoint  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  ≤ 3.2 mV  Requirement, voltage drop 2nd level  ≤ 6.4 mV  Result of temperature-rise test  Test passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  Short-time current  0.3 kA  Conductor cross section short circuit testing  Short-time current  0.48 kA  Result of aging test  Test passed	Tractive force setpoint	50 N			
Result of tight fit on support       Test passed         Tight fit on carrier       NS 35         Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       2.5 mm²         Short-time current       0.3 kA         Conductor cross section short circuit testing       4 mm²         Short-time current       0.48 kA         Result of aging test       Test passed	Conductor cross section tensile test	4 mm²			
Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Equirement, voltage drop  Requirement, voltage drop 2nd level  Result of temperature-rise test  Test passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  Short-time current  O.3 kA  Conductor cross section short circuit testing  4 mm²  Short-time current  0.48 kA  Result of aging test  Test passed	Tractive force setpoint	60 N			
Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       2.5 mm²         Short-time current       0.3 kA         Conductor cross section short circuit testing       4 mm²         Short-time current       0.48 kA         Result of aging test       Test passed	Result of tight fit on support	Test passed			
Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       2.5 mm²         Short-time current       0.3 kA         Conductor cross section short circuit testing       4 mm²         Short-time current       0.48 kA         Result of aging test       Test passed	Tight fit on carrier	NS 35			
Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       2.5 mm²         Short-time current       0.3 kA         Conductor cross section short circuit testing       4 mm²         Short-time current       0.48 kA         Result of aging test       Test passed	Setpoint	1 N			
Requirement, voltage drop 2nd level       ≤ 6.4 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       2.5 mm²         Short-time current       0.3 kA         Conductor cross section short circuit testing       4 mm²         Short-time current       0.48 kA         Result of aging test       Test passed	Result of voltage-drop test	Test passed			
Result of temperature-rise test  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  Conductor cross section short circuit testing  4 mm²  Short-time current  0.48 kA  Result of aging test  Test passed	Requirements, voltage drop	≤ 3.2 mV			
Short circuit stability result  Conductor cross section short circuit testing  2.5 mm²  Short-time current  0.3 kA  Conductor cross section short circuit testing  4 mm²  Short-time current  0.48 kA  Result of aging test  Test passed	Requirement, voltage drop 2nd level	≤ 6.4 mV			
Conductor cross section short circuit testing  2.5 mm²  Short-time current  0.3 kA  Conductor cross section short circuit testing  4 mm²  Short-time current  0.48 kA  Result of aging test  Test passed	Result of temperature-rise test	Test passed			
Short-time current  O.3 kA  Conductor cross section short circuit testing  4 mm²  Short-time current  O.48 kA  Result of aging test  Test passed	Short circuit stability result	Test passed			
Conductor cross section short circuit testing 4 mm²  Short-time current 0.48 kA  Result of aging test Test passed	Conductor cross section short circuit testing	2.5 mm²			
Short-time current 0.48 kA  Result of aging test Test passed	Short-time current	0.3 kA			
Result of aging test Test passed	Conductor cross section short circuit testing	4 mm²			
	Short-time current	0.48 kA			
Result of thermal test Test passed	Result of aging test	Test passed			
	Result of thermal test	Test passed			



### Technical data

### General

Proof of thermal characteristics (needle flame) effective duration	30 s
Relative insulation material temperature index (Elec.; UL 746 B)	125 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C

### Dimensions

Width	6.2 mm
Length	72.5 mm
Height NS 35/7,5	54.5 mm
Height NS 35/15	62 mm

#### Connection data

Connection data			
Connection method	Screw connection		
Conductor cross section solid min.	0.2 mm <sup>2</sup>		
Conductor cross section solid max.	4 mm²		
Conductor cross section flexible min.	0.2 mm²		
Conductor cross section flexible max.	2.5 mm <sup>2</sup>		
Conductor cross section AWG min.	24		
Conductor cross section AWG max.	12		
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²		
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²		
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²		
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²		
Cross section with insertion bridge, solid max.	4 mm²		
Cross section with insertion bridge, stranded max.	2.5 mm²		
2 conductors with same cross section, solid min.	0.2 mm²		
2 conductors with same cross section, solid max.	1 mm²		
2 conductors with same cross section, stranded min.	0.2 mm²		
2 conductors with same cross section, stranded max.	1 mm <sup>2</sup>		
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>		
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²		
Cross section with insertion bridge, solid max.	4 mm²		
Cross section with insertion bridge, stranded max.	2.5 mm²		
Stripping length	8 mm		
Internal cylindrical gage	A3		
Screw thread	M3		
Tightening torque, min	0.5 Nm		
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### Technical data

### Connection data

Tightening torque max	0.6 Nm			
Connection method	Screw connection			
Conductor cross section solid min.	0.2 mm²			
Conductor cross section solid max.	4 mm²			
Conductor cross section flexible min.	0.2 mm²			
Conductor cross section flexible max.	2.5 mm <sup>2</sup>			
Conductor cross section AWG min.	24			
Conductor cross section AWG max.	12			
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²			
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>			
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²			
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>			
Cross section with insertion bridge, solid max.	4 mm²			
Cross section with insertion bridge, stranded max.	2.5 mm²			
2 conductors with same cross section, solid min.	0.2 mm²			
2 conductors with same cross section, solid max.	1 mm²			
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>			
2 conductors with same cross section, stranded max.	1 mm²			
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>			
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm²			
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²			
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²			
Cross section with insertion bridge, solid max.	4 mm²			
Cross section with insertion bridge, stranded max.	2.5 mm²			
Stripping length	8 mm			
Screw thread	M3			
Tightening torque, min	0.5 Nm			
Tightening torque max	0.6 Nm			

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	IEC 60947-7-1
Flammability rating according to UL 94	V2

### **Environmental Product Compliance**

REACh SVHC	Lead 7439-92-1		
China RoHS	Environmentally Friendly Use Period = 50		



### Technical data

**Environmental Product Compliance** 

For details about hazardous substances go to tab "Downloads",
Category "Manufacturer's declaration"

### **Drawings**

Circuit diagram



### **Approvals**

Approvals

Approvals

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

Ex Approvals

### Approval details

CSA	<b>(P</b>	http://www.csa	http://www.csagroup.org/services-industries/product-listing/	
Nominal voltage UN			300 V	
Nominal current IN			15 A	
mm²/AWG/kcmil			28-14	

UL Recognized	<i>7</i> 1	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425				
	D		В		С	
Nominal voltage UN	300 V		300 V		150 V	
Nominal current IN	10 A		15 A		15 A	
mm²/AWG/kcmil	30-14		30-14		30-14	



### Approvals

cUL Recognized	http://database.ul.co	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425		
	D	В	С	
Nominal voltage UN	300 V	300 V	150 V	
Nominal current IN	10 A	15 A	15 A	
mm²/AWG/kcmil	30-14	30-14	30-14	

EAC EAC-Zulassung
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