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Feed-through terminal block, with six-lobe screw, nom. voltage: 1000 V, nominal current: 57 A, connection method: Screw connection, number of connections: 2, cross section: 0.5 mm² - 16 mm², AWG: 20 - 6, width: 10.2 mm, height: 46.9 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

The figure shows a version of the article

### Your advantages

- The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- Optimum screwdriver guidance through closed screw shafts
- The cable entry funnel enables the use of conductors with ferrules and plastic collars within the nominal cross section





### **Key Commercial Data**

Packing unit	50 pc
GTIN	4 046356 289856
GTIN	4046356289856

### Technical data

#### General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	10 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I



### Technical data

### General

Designation Level 1 above 1 below 1  Maximum load current Lo	Maximum power dissipation for nominal condition	1.82 W
Nominal current I <sub>N</sub> Nominal voltage U <sub>N</sub> 1000 V Open side panel Yes Shock protection test specification IEC 60529:2001-02 Back of the hand protection Guaranteed Finger protection Guaranteed Finger 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 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) Test passed 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 the state for mechanical stability of terminal points (5 x conductor connection) Test passed Test passed Test passed  10 pm Bending test rotation speed 10 pm  Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 10 mm² / 2 kg 16 mm² / 2.9 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 10 mm² Tractive force setpoint 90 N Conductor cross section tensile test 16 mm² Tractive force setpoint 100 N Result of light fit on support Test passed Test passed Requirements, voltage drop 2.3.2 mV Result of lemperature-rise test Test passed	Designation	Level 1 above 1 below 1
Nominal voltage U <sub>N</sub> Open side panel  Yes Shock protection test specification  IEC 60529:2001-02  Back of the hand protection  guaranteed  Finger protection  Result of surge voltage test  Test passed  Surge voltage test setpoint  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 bending test  Fest passed  10 rpm  Bending test rotation speed  Bending test tortation speed  Bending test torductor cross section/weight  10 rpm  Bending test conductor cross section/weight  10 rmm² / 2 kg  Testi passed  Testi passed  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  Tractive force setpoint  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  Trac	Maximum load current	76 A (with 16 mm² conductor cross section)
Open side panel  Shock protection test specification  IEC 60529:2001-02  Back of the hand protection  guaranteed  Finger protection  Result of surge voltage test  Test passed  Surge voltage test setpoint  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 the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Bending test rotation speed  Bending test conductor cross section/weight  10 rpm  Bending test conductor cross section/weight  10 rmm² / 2 xg  10 rmm² / 2 xg  Test passed  Conductor cross section tensile test  Test passed  10 mm² / 2.9 kg  Tractive force setpoint  20 N  Conductor cross section tensile test  10 mm²  Tractive force setpoint  10 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Conductor cross section short circuit testing  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  10 film²  Short-time current  1.52 kA  Test passed	Nominal current I <sub>N</sub>	57 A
Shock protection test specification  Back of the hand protection  guaranteed  Finger protection  Surge voltage test setpoint  Back of power-frequency withstand voltage test  Fest passed  Power frequency withstand voltage setpoint  Result of power-frequency withstand voltage setpoint  2.2 kV  Result of power-frequency withstand voltage setpoint  2.2 kV  Result of bending test for mechanical stability of terminal points (5 x conductor connection)  Test passed  Bending test tonductor speed  10 rpm  Bending test turns  135  Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  10 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of light fit on support  Tight fit on carrier  NS 35  Setpoint  Fest passed  Conductor cross section tensile test  Test passed  Requirements, voltage-drop test  Requirements, voltage-drop test  Test passed  Conductor cross section short circuit testing  10 mm²  Test passed  Fest passed  Conductor cross section short circuit testing  10 mm²  Test passed  Fest passed  Conductor cross section short circuit testing  10 mm²  Test passed  Short-time current  1.2 kA  Conductor cross section short circuit testing  10 mm²  Short-time current  1.29 kA  Result of thermal test  Test passed	Nominal voltage U <sub>N</sub>	1000 V
Back of the hand protection  Finger protection  Quaranteed  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 power-frequency withstand voltage setpoint  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Test passed  Bending test tortation speed  Bending test tortation speed  Bending test conductor cross section/weight  10 rpm  Bending test conductor cross section/weight  10 mm² / 2 kg  16 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  Conductor cross section tensile test  16 mm²  Tractive force setpoint  Conductor cross section tensile test  16 mm²  Tractive force setpoint  Conductor cross section tensile test  16 mm²  Tractive force setpoint  Conductor cross section tensile test  16 mm²  Tractive force setpoint  Conductor tross section tensile test  Test passed  Setpoint  Test passed	Open side panel	Yes
Finger protection guaranteed  Result of surge voltage test point  Result of power-frequency withstand voltage test  Fower 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 the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Fest passed  Bending test rotation speed  Bending test turns  Bending test conductor cross section/weight  10 rpm  Bending test conductor cross section/weight  10 rmm² / 2 kg  16 rmm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 rmm²  Tractive force setpoint  20 N  Conductor cross section tensile test  10 rmm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 rmm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Setpoint  5 N  Result of voltage-drop test  Test passed  Short circuit stability result  Test passed  Short-time current  1.92 kA  Result of themal test  Test passed  Result of themal test  Test passed	Shock protection test specification	IEC 60529:2001-02
Result of surge voltage test Surge voltage test setpoint 9.8 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 9.8 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 10 rpm  Bending test tration speed 10 rpm  Bending test turns 135  Bending test conductor cross section/weight 0.5 mm² / 0.3 kg 10 mm² / 2 kg 16 mm² / 2.9 kg 16 mm² / 2.9 kg 17 rest passed  Conductor cross section tensile test 10 rpm  Tractive force setpoint 20 N  Conductor cross section tensile test 10 mm² Tractive force setpoint 20 N  Conductor cross section tensile test 10 mm² Tractive force setpoint 100 N  Result of tight fit on support Test passed Tight fit on carrier NS 35  Setpoint 5 N  Result of voltage-drop test Requirements, voltage drop 4 3.2 mV  Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 10 mm² Short-time current 1.92 kA  Result of thermal test Test passed	Back of the hand protection	guaranteed
Surge voltage test setpoint  Result of power-frequency withstand voltage test  Test passed  Power frequency withstand voltage setpoint  2.2 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)  Result of bending test  Test passed  Bending test rotation speed  Bending test tortation speed  Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  10 mm² / 2 kg  10 mm² / 2.9 kg  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  20 N  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Test passed  Test passed  Stoppint  5 N  Result of voltage-drop test  Result of voltage-drop test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  1.92 kA  Result of thermal test  Test passed	Finger 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 bending test Test passed  Bending test rotation speed Bending test turns Bending test turns Bending test conductor cross section/weight  10 rpm  Bending test conductor cross section/weight  10 rpm² / 2.9 kg  Tensile test result Test passed  Conductor cross section tensile test  0.5 rm²² / 2.9 kg  Tensile test result Test passed  Conductor cross section tensile test 10 rpm²  Conductor cross section tensile test 10 rpm²  Tractive force setpoint 20 N  Conductor cross section tensile test 16 rm²²  Tractive force setpoint 100 N  Result of tight fit on support Test passed  Tight fit on carrier NS 35  Setpoint S 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 10 rpm²  Short-time current 1.92 kA  Result of thermal test Test passed  Test passed	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 trotation speed  Bending test turns  Bending test conductor cross section/weight  10 rpm  Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  16 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  Practive force setpoint  100 N  Result of tight fit on support  Test passed  Test passed  Setpoint  So N  Result of voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed  Conductor cross section short circuit testing  10 mm²  Test passed  Test passed  Test passed  Test passed  Requirements, voltage drop  1.2 kA  Conductor cross section short circuit testing  10 mm²  Test passed  Test passed  Test passed  Test passed  Test passed	Surge voltage test setpoint	9.8 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Result of bending test tration speed  Bending test rotation speed  Bending test conductor cross section/weight  10 rpm  Bending test conductor cross section/weight  10 mm² / 0.3 kg  10 mm² / 2.9 kg  Tensile test result  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  Ponductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Test passed  Sepoint  So N  Result of voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed  Short-time current  1.92 kA  Result of themal test  Test passed  Fest passed  Short-time current  1.92 kA  Result of themal test  Test passed	Result of power-frequency withstand voltage test	Test passed
conductor connection)  Result of bending test  Bending test rotation speed  Bending test trotation speed  Bending test trotation speed  Bending test turns  Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  10 mm² / 2 kg  16 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  110 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  S N  Result of voltage-drop test  Requirements, voltage drop  \$\frac{3}{2} \text{ 2.3 mV}\$  Result of temperature-rise test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  Short-time current  1.2 kA  Conductor cross section short circuit testing  Short-time current  1.92 kA  Result of themmal test  Test passed	Power frequency withstand voltage setpoint	2.2 kV
Bending test rotation speed  Bending test turns  135  Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  10 mm² / 2 kg  16 mm² / 2.9 kg  Tensile test result  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Setpoint  Setupoint  Result of voltage-drop test  Requirements, voltage drop  Sont circuit stability result  Conductor cross section short circuit testing  10 mm²  Test passed  Tonductor cross section short circuit testing  10 mm²  Short-time current  1.2 kA  Result of termal test  Test passed		Test passed
Bending test turns  Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  10 mm² / 2 kg  16 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Setpoint  Fesult of voltage-drop test  Requirements, voltage drop  Sont circuit stability result  Test passed  Test passed  Test passed  Test passed  Test passed  Conductor cross section short circuit testing  10 mm²  Short-time current  1.9 kA  Result of termal test  Test passed	Result of bending test	Test passed
Bending test conductor cross section/weight  0.5 mm² / 0.3 kg  10 mm² / 2 kg  16 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  20 N  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Result of voltage-drop test  Result of voltage-drop test  Test passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  10 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed  Test passed	Bending test rotation speed	10 rpm
10 mm² / 2 kg  16 mm² / 2.9 kg  Tensile test result  Test passed  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  20 N  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  5 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  10 mm²  Short-time current  1.92 kA  Result of termal test  Test passed  Test passed	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  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Sepoint  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  100 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed	Bending test conductor cross section/weight	0.5 mm <sup>2</sup> / 0.3 kg
Tensile test result  Conductor cross section tensile test  0.5 mm²  Tractive force setpoint  20 N  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  5 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  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed		10 mm² / 2 kg
Conductor cross section tensile test  Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  5 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  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed		16 mm² / 2.9 kg
Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  90 N  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  5 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  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed	Tensile test result	Test passed
Tractive force setpoint  Conductor cross section tensile test  10 mm²  Tractive force setpoint  Ponductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Setpoint  Fest passed  Requirements, voltage-drop test  Result of temperature-rise test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  Test passed  10 mm²  11.2 kA  Conductor cross section short circuit testing  Test passed  Short-time current  1.92 kA  Result of thermal test  Test passed	Conductor cross section tensile test	0.5 mm <sup>2</sup>
Tractive force setpoint  Conductor cross section tensile test  16 mm²  Tractive force setpoint  100 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Fesult 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  1.92 kA  Result of thermal test  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 35  Setpoint  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  1.2 kA  Result of thermal test  Test passed	Conductor cross section tensile test	10 mm²
Tractive force setpoint  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Fest passed  Test passed  Test passed  Requirements, voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed  Short circuit stability result  Test passed  Conductor cross section short circuit testing  Short-time current  1.2 kA  Conductor cross section short circuit testing  Short-time current  1.92 kA  Result of thermal test  Test passed	Tractive force setpoint	90 N
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       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed         Conductor cross section short circuit testing       10 mm²         Short-time current       1.2 kA         Conductor cross section short circuit testing       16 mm²         Short-time current       1.92 kA         Result of thermal test       Test passed	Conductor cross section tensile test	16 mm²
Tight fit on carrier  Setpoint  Setpoint  Fesult 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  Conductor cross section short circuit testing  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed	Tractive force setpoint	100 N
Setpoint       5 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       10 mm²         Short-time current       1.2 kA         Conductor cross section short circuit testing       16 mm²         Short-time current       1.92 kA         Result of thermal test       Test passed	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       10 mm²         Short-time current       1.2 kA         Conductor cross section short circuit testing       16 mm²         Short-time current       1.92 kA         Result of thermal test       Test passed	Tight fit on carrier	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       10 mm²         Short-time current       1.2 kA         Conductor cross section short circuit testing       16 mm²         Short-time current       1.92 kA         Result of thermal test       Test passed	Setpoint	5 N
Result of temperature-rise test  Test passed  Short circuit stability result  Conductor cross section short circuit testing  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed	Result of voltage-drop test	Test passed
Short circuit stability result  Conductor cross section short circuit testing  10 mm²  Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed	Requirements, voltage drop	≤ 3.2 mV
Conductor cross section short circuit testing 10 mm²  Short-time current 1.2 kA  Conductor cross section short circuit testing 16 mm²  Short-time current 1.92 kA  Result of thermal test Test passed	Result of temperature-rise test	Test passed
Short-time current  1.2 kA  Conductor cross section short circuit testing  16 mm²  Short-time current  1.92 kA  Result of thermal test  Test passed	Short circuit stability result	Test passed
Conductor cross section short circuit testing 16 mm²  Short-time current 1.92 kA  Result of thermal test Test passed	Conductor cross section short circuit testing	10 mm²
Short-time current 1.92 kA Result of thermal test Test passed	Short-time current	1.2 kA
Result of thermal test Test passed	Conductor cross section short circuit testing	16 mm²
·	Short-time current	1.92 kA
Proof of thermal characteristics (needle flame) effective duration 30 s	Result of thermal test	Test passed
	Proof of thermal characteristics (needle flame) effective duration	30 s



### Technical data

### General

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

#### Dimensions

Width	10.2 mm
End cover width	2.2 mm
Length	47.7 mm
Height	46.9 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

#### Connection data

Connection method	Screw connection
Screw thread	M4
Stripping length	10 mm
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm
Connection in acc. with standard	IEC 60947-7-1
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	16 mm²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	6
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	10 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	4 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	4 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.	6 mm²



### Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	16 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	10 mm <sup>2</sup>
Internal cylindrical gage	A6

### Standards and Regulations

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

### **Environmental Product Compliance**

	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

#### Circuit diagram



### Approvals

### Approvals

Approvals

EAC

Ex Approvals

IECEx / ATEX

Approval details



### **Approvals**



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