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Test disconnect terminal block, Connection type: Push-in connection, Screw connection, Cross section: 0.5 mm² - 10 mm², AWG :20- 10, Width: 8.2 mm, Color: gray, Mounting: NS 35/7,5, NS 35/15

#### Why buy this product

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- The push-in connection is used inside the control cabinet and the universal screw connection is used on the end customer side



## **Key Commercial Data**

Packing unit	50 STK
GTIN	4 055626 046617
Custom tariff number	85369010

#### Technical data

#### General

Number of levels	1
Number of connections	2
Nominal cross section	6 mm²
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
Connection method	Push-in connection



## Technical data

#### General

Connection in acc. with standard	IEC 60947-7-1
Maximum load current	41 A (with 10 mm² conductor cross section)
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	500 V
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	41 A (with 10 mm² conductor cross section)
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	500 V
Open side panel	Yes
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	Test passed
Surge voltage test setpoint	7.3 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of 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
	6 mm <sup>2</sup> / 1.4 kg
	10 mm² / 2 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.5 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	6 mm²
Tractive force setpoint	60 N
Conductor cross section tensile test	10 mm²
Tractive force setpoint	80 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	$\leq$ 6,4 mV
Result of temperature-rise test	Test passed
Short circuit stability result	
	Test passed
Conductor cross section short circuit testing	Test passed 6 mm²

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## Technical data

#### General

Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie mounted
Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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	73.9 mm
Height NS 35/7,5	48 mm



## Technical data

#### Dimensions

Height NS 35/15	55.5 mm
End cover width	2.2 mm

#### Connection data

Connection in acc. with standard         IEC 60947-7-1           Strippin length         12 mm           Conductor cross section solid mix.         0.5 mm²           Conductor cross section AWG min.         20           Conductor cross section AWG min.         0.5 mm²           Conductor cross section flexible min.         0.5 mm²           Conductor cross section flexible min.         0.5 mm²           Min. AWG conductor cross section, flexible         20           Max. AWG conductor cross section, flexible         20           Max. AWG conductor cross section flexible, with ferrule without plastic sleeve min.         0.5 mm²           Conductor cross section flexible, with ferrule without plastic sleeve min.         0.5 mm²           Conductor cross section flexible, with ferrule with plastic sleeve min.         0.5 mm²           Conductor cross section flexible, with TWIN ferrule min.         0.5 mm²           Conductor cross section flexible, with TWIN ferrule min.         0.5 mm²           Conductor cross section flexible, with TWIN ferrule min.         0.5 mm²           Conductor swith same cross section, stranded, TWIN ferrules with plastic sleeve min.         1.5 mm²           Conductor cross section solid min.         1 mm²           Conductor cross section flexible, with ferrule with plastic sleeve min.         1 mm²           Conductor cross section flexible,	Connection method	Push-in connection
Conductor cross section solid min.  Conductor cross section AWG min.  Conductor cross section flexible min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductor cross section solid min.  Conductor cross section solid min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve m	Connection in acc. with standard	IEC 60947-7-1
Conductor cross section AWG min.         20           Conductor cross section AWG min.         20           Conductor cross section RWG max.         8           Conductor cross section flexible min.         0.5 mm²           Conductor cross section flexible max.         6 mm²           Min. AWG conductor cross section, flexible         20           Max. AWG conductor cross section, flexible with ferrule without plastic sleeve min.         0.5 mm²           Conductor cross section flexible, with ferrule without plastic sleeve max.         6 mm²           Conductor cross section flexible, with ferrule with plastic sleeve max.         0.5 mm²           Conductor cross section flexible, with ferrule with plastic sleeve max.         0.5 mm²           Conductor cross section flexible, with TWIN ferrule min.         0.5 mm²           Conductor with same cross section, stranded, TWIN ferrules with plastic sleeve, min.         1.5 mm²           2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.         1.5 mm²           Conductor cross section solid min.         1 mm²           Conductor cross section flexible, with ferrule with plastic sleeve min.         1 mm²           Conductor cross section flexible, with ferrule with plastic sleeve min.         1 mm²           Conductor cross section flexible, with ferrule with plastic sleeve min.         1 mm²           Conductor cross s	Stripping length	12 mm
Conductor cross section AWG min.  Conductor cross section flexible min.  Conductor cross section flexible max.  Min. AWG conductor cross section, flexible  Max. AWG conductor cross section, flexible  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with frerule with plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductor cross section solid min.  1 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section	Conductor cross section solid min.	0.5 mm²
Conductor cross section flexible min.  Conductor cross section flexible min.  Conductor cross section flexible max.  Min. AWG conductor cross section, flexible  Max. AWG conductor cross section, flexible  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with frerule with plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductor with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  1 mm²  Conductor cross section solid min.  1 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule withou	Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.  Conductor cross section flexible max.  Min. AVG conductor cross section, flexible  Max. AVG conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with frerule min.  Conductor cross section flexible, with frerule min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductor cross section solid max.  Conductor cross section solid max.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with TVIN ferrule min.  Conductor cross section flexible, with	Conductor cross section AWG min.	20
Conductor cross section flexible max.  Min. AWG conductor cross section, flexible  Max. AWG conductor cross section, flexible  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule with plastic sleeve max.  1.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductor cross section solid min.  1 mm²  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule	Conductor cross section AWG max.	8
Min. AWG conductor cross section, flexible  Max. AWG conductor cross section, flexible  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  1 mm²  Conductor cross section solid min.  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conduct	Conductor cross section flexible min.	0.5 mm²
Max. AWG conductor cross section, flexible  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with frule with plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  2 conductors systemate cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  1 mm²  Conductor cross section solid min.  1 mm²  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  4 mm²  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  4 mm²  Conductor cross section flexible, with ferrule without plastic sleeve max.  5 mm²  Conductor cross section flexible, with ferrule without plastic sleeve max.  6 mm²  Conductor cross section flexible, with ferrule without plastic sleeve max.  6 mm²  Conductor cross section flexible, with ferrule without plastic sleeve max.  6 mm²	Conductor cross section flexible max.	6 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with refule with plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  All A  Maximum load current I <sub>N</sub> Maximum load current  Nominal voltage U <sub>N</sub> Soo V  Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min	Min. AWG conductor cross section, flexible	20
Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, wit	Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductor cross section solid min.  1 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with formule min.  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  41 A  Maximum load current I <sub>N</sub> Maximum load current  Nominal current I <sub>N</sub> Maximum load current  Nominal voltage U <sub>N</sub> Sou V  Internal cylindrical gage  A5  Connection method  Connection method  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor swith same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  Conductor with same cross section stranded, TWIN ferrules with plastic sleeve, min.  Conductor cross section solid min.  1 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  41 A  Maximum load current I <sub>N</sub> Maximum load current  Nominal voltage U <sub>N</sub> Internal cylindrical gage  A5  Connection method  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  6 ms²	Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule min.  0.5 mm²  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> 41 A  Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection method  EC 60947-7-1  Screw connection  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min	Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with TWIN ferrule max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  1 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> 41 A  Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection method  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  At A  Maximum load current I <sub>N</sub> Maximum load current  Nominal voltage U <sub>N</sub> Internal cylindrical gage  A5  Connection method  Connection method  Connection in acc. with standard  EIC 60947-7-1  Screw thread  Tightening torque, min  1.5 Mm	Conductor cross section flexible, with TWIN ferrule min.	0.5 mm²
plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> 41 A  Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 1.5 my²  Connection method  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with TWIN ferrule max.	1.5 mm²
plastic sleeve, max.  Conductor cross section solid min.  1 mm²  Conductor cross section solid max.  10 mm²  Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  At A  Maximum load current I <sub>N</sub> 41 A  Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm		0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> 41 A  Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	· · · · · · · · · · · · · · · · · · ·	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.  Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection method  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1 mm²  1 mm²  6 mm²	Conductor cross section solid min.	1 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.  Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  Los mm²  Conductor cross section flexible, with TWIN ferrule max.  Los mm²  At A  Maximum load current I <sub>N</sub> Maximum load current  At A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> Sono V  Internal cylindrical gage  A5  Connection method  Connection method  EC 60947-7-1  Screw thread  M4  Tightening torque, min  6 mm²  6 m	Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.  Conductor cross section flexible, with ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> 41 A  Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Screw connection  Connection in acc. with standard  IEC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with ferrule with plastic sleeve min.	1 mm²
Conductor cross section flexible, with Ferrule without plastic sleeve max.  Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  Nominal current I <sub>N</sub> 41 A  Maximum load current  Nominal voltage U <sub>N</sub> Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  6 mm²  6	Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Conductor cross section flexible, with TWIN ferrule min.  Conductor cross section flexible, with TWIN ferrule max.  1.5 mm²  1.5 mm²  A1 A  Maximum load current  Nominal voltage U <sub>N</sub> Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  0.5 mm²  A1 A  (with 10 mm² conductor cross section)  500 V  Internal conductor cross section  A5  Screw connection  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with ferrule without plastic sleeve min.	1 mm²
Conductor cross section flexible, with TWIN ferrule max.  Nominal current I <sub>N</sub> 41 A  Maximum load current  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 mm²  41 A  (with 10 mm² conductor cross section)  500 V  Internal cylindrical gage  A5  Convertion  IEC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Nominal current I <sub>N</sub> Maximum load current  41 A (with 10 mm² conductor cross section)  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Screw connection  Connection in acc. with standard  IEC 60947-7-1  Screw thread  M4  Tightening torque, min  41 A  41 A  A  ECONDUCTOR  Tightening torque, min  41 A  A  A  A  B  A  A  B  A  A  A  B  A  A	Conductor cross section flexible, with TWIN ferrule min.	0.5 mm²
Maximum load current  Nominal voltage U <sub>N</sub> 500 V  Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  41 A (with 10 mm² conductor cross section)  500 V  Internal cylindrical gage  A5  Screw connection  IEC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Conductor cross section flexible, with TWIN ferrule max.	1.5 mm²
Nominal voltage U <sub>N</sub> Internal cylindrical gage  A5  Connection method  Connection in acc. with standard  Screw thread  M4  Tightening torque, min  500 V  A5  Screw connection  EC 60947-7-1  M4  I.5 Nm	Nominal current I <sub>N</sub>	41 A
Internal cylindrical gage A5  Connection method Screw connection  Connection in acc. with standard IEC 60947-7-1  Screw thread M4  Tightening torque, min 1.5 Nm	Maximum load current	41 A (with 10 mm² conductor cross section)
Connection method  Connection in acc. with standard  EC 60947-7-1  Screw thread  M4  Tightening torque, min  1.5 Nm	Nominal voltage U <sub>N</sub>	500 V
Connection in acc. with standard IEC 60947-7-1 Screw thread M4 Tightening torque, min 1.5 Nm	Internal cylindrical gage	A5
Screw thread M4 Tightening torque, min 1.5 Nm	Connection method	Screw connection
Tightening torque, min 1.5 Nm	Connection in acc. with standard	IEC 60947-7-1
	Screw thread	M4
Tightening torque max 1.8 Nm	Tightening torque, min	1.5 Nm
	Tightening torque max	1.8 Nm



## Technical data

#### Connection data

Stripping length	10 mm
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	10 mm <sup>2</sup>
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.	6 mm²
Min. AWG conductor cross section, flexible	10
Max. AWG conductor cross section, flexible	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	2.5 mm <sup>2</sup>
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.	4 mm²
Nominal current I <sub>N</sub>	41 A
Maximum load current	41 A (with 10 mm² conductor cross section)
Nominal voltage U <sub>N</sub>	500 V

## Standards and Regulations

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

## Drawings

Circuit diagram



## Classifications

## eCl@ss

eCl@ss 5.1	27141118
eCl@ss 6.0	27141141
eCl@ss 8.0	27141126



## Classifications

eCl	@ss

EAC

eCl@ss		
eCl@ss 9.0	27141126	
ETIM		
ETIM 4.0	EC000902	
ETIM 5.0	EC000902	
Approvals		
Approvals		
Approvals		
EAC		
Ex Approvals		
Approvals submitted		
Approval details		

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