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Double-level terminal block, connection method: Screw connection, cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, width: 6.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15



## **Key Commercial Data**

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 046356 724630
GTIN	4046356724630
Weight per Piece (excluding packing)	17.800 g
Custom tariff number	85369010
Country of origin	China

## Technical data

### General

Number of levels	2
Number of connections	4
Nominal cross section	4 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
Maximum power dissipation for nominal condition	1.02 W (the value is multiplied when connecting multiple levels)
Ambient temperature (operation)	-60 °C 85 °C
Ambient temperature (storage/transport)	-25 °C 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)



## Technical data

## General

Humidity maximum         70 %           Additional lext         For a short time, not exceeding 24 h, -00 to +70 °C           Ambient temperature (ascenbly)         -5 °C 70 °C           Ambient temperature (actuation)         -5 °C 70 °C           Connection in acc. with standard         IEC 60947-7-1           Mominal current I <sub>N</sub> 30 A           Maximum load current         39 A (with 6 mm² conductor cross section)           Normial voltage U <sub>N</sub> 1000 V           Open side panel         Yes           Bock of the hand protection         guaranteed           Back of the hand protection         guaranteed           Bask of sure voltage test sepoint         guaranteed           Surge voltage test sepoint         9.8 kV           Result of power-frequency withstand voltage septont         7 set passed           Power frequency withstand voltage septont         2.2 kV           Result of power-frequency withstand voltage septont         7 set passed           Bending test conductor cross section voltage test         Test passed           Bending test truris         135           Bending test truris         135           Bending test truris         4 mm² / 0.8 kg           Test passed         6 mm² / 1.4 kg           Testile test result	Humidity minimum	30 %
Ambient temperature (assembly)         5 °C 70 °C           Ambient temperature (actuation)         5 °C 70 °C           Connection in acc. with standard         IEC 60947-7-1           Nominal current III,         30 A           Maximum load current         36 A (with 6 mm² conductor cross section)           Nominal voltage UI,         1000 V           Open side panel         Yes           Back of the hand protection         IEC 60529:2001-02           Back of the hand protection         guaranteed           Finger protection         guaranteed           Finger protection         guaranteed           Surge voltage test setpoint         9.8 kV           Result of power-frequency withstand voltage test         Test passed           Power frequency withstand voltage setpoint         2.2 kV           Checking the mechanical stability of terminal points (5 x conductor         Test passed           Bending test tortation speed         10 rpm           Bending test tortation speed         10 rpm           Bending test conductor cross section/weight         1.4 mm² / 0.2 kg           Test passed         6 mm² / 1.4 kg           Tensile test result         6 mm² / 1.4 kg           Conductor cross section tensile test         6 mm² / 1.4 km²           Tractive force se	Humidity maximum	70 %
Ambient temperature (actuation)         5 °C 70 °C           Connection in acc. with standard         IEC 60947-7.1           Nominal current I <sub>N</sub> 30 A           Maximum load current         36 A (with 6 mm² conductor cross section)           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           Result of surge voltage test sets         Test passed           Result of power-frequency withstand voltage test         Test passed           Result of power-frequency withstand voltage setpoint         2.2 kV           Result of bending set stability of terminal points (5 x conductor         Test passed           Result of bending lest         Test passed           Result of bending lest         Test passed           Bending test rotation speed         10 °pm           Bending test rotation speed         10 °pm           Bending test conductor cross section/weight         0.14 mm² / 0.2 kg           Test passed         10 °m² / 1.4 kg           Test passed         0.0 m² / 1.4 kg           Test passed         0.0 M           Conductor cross section tensile test	Additional text	For a short time, not exceeding 24 h, -60 to +70 °C
Connection in acc. with standard         IEC 80947-7-1           Nominal current I.y         30 A           Maximum load current         36 A (with 6 mm² conductor cross section)           Nominal voltage U.y         1000 V           Open side panel         Yes           Shock protection test specification         IEC 80529-2001-02           Back of the hand protection         guaranteed           Result of surge voltage test         Test passed           Surge voltage test setpoint         9.8 kV           Result of power-frequency withstand voltage setpoint         2.2 kV           Checking the mechanical stability of terminal points (5 x conductor connection)         Test passed           Bending test mechanical stability of terminal points (5 x conductor connection)         10 rpm           Bending test truns         135           Bending test truns         135           Bending test conductor cross section/weight         4 mm² / 0.2 kg           In a maximum	Ambient temperature (assembly)	-5 °C 70 °C
Nominal current IIII         30 A           Maximum load current         36 A (with 6 mm² conductor cross section)           Nominal voltage UIII         1000 V           Open side panel         Yes           Shock protection test specification         IEC 60529-2001-02           Back of the hand protection         guaranteed           Finger protection         guaranteed           Fesult of surge voltage test setpoint         1 est passed           Surge voltage test setpoint         7 est passed           Result of power-frequency withstand voltage setpoint         2.2 kV           Checking the mechanical stability of terminal points (5 x conductor         Test passed           Checking the mechanical stability of terminal points (5 x conductor         Test passed           Bending test rotation speed         10 rpm           Bending test tomas peed         10 rpm           Bending test tresuit         6 mm² / 0.9 kg           Test passed         10 rpm           Conductor cross section tensile test         1 mm² / 0.9 kg           Conductor cross section tensile test         0 mm² / 1.4 kg           Conductor cross secti	Ambient temperature (actuation)	-5 °C 70 °C
Maximum load current Nominal voltage Us Nominal voltage Us Open side panel Shock protection test specification Back of the hand protection Bac	Connection in acc. with standard	IEC 60947-7-1
Nominal voltage UN         1000 V           Open side panel         Yes           Shock protection test specification         IEC 60529:2001-02           Back of the hand protection         guaranteed           Finger protection         guaranteed           Result of surge voltage test         Test passed           Surge voltage test setpoint         9.8 kV           Result of power-frequency withstand voltage test         Test passed           Power frequency withstand voltage setpoint         2.2 kV           Checking the mechanical stability of terminal points (5 x conductor connection)         Test passed           Result of bending test         Test passed           Bending test totation speed         10 rpm           Bending test turns         135           Bending test conductor cross section/weight         0.14 mm² / 0.2 kg           4 mm² / 0.9 kg         6 mm² / 1.4 kg           Test passed         0.14 mm²           Conductor cross section tensile test         0.14 mm²           Tractive force setpoint         6 mm² / 1.4 kg           Tractive force setpoint         60 N           Conductor cross section tensile test         10 N           Conductor cross section tensile test         6 mm²           Tractive force setpoint         60 N <td>Nominal current I<sub>N</sub></td> <td>30 A</td>	Nominal current I <sub>N</sub>	30 A
Open side panel         Yes           Shock protection test specification         IEC 60529-2001-02           Back of the hand protection         guaranteed           Finger protection         guaranteed           Result of surge voltage test         Test passed           Surge voltage test setpoint         9.8 kV           Result of power-frequency withstand voltage steption         2.2 kV           Checking the mechanical stability of terminal points (5 x conductor connection)         Test passed           Checking the 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 conductor cross section/weight         0.14 mm² / 0.2 kg           Bending test conductor cross section/weight         0.14 mm² / 0.9 kg           Conductor cross section tensile test         Test passed           Conductor cross section tensile test         Test passed           Conductor cross section tensile test         4 mm²           Tractive force setpoint         60 N           Conductor cross section tensile test         4 mm²           Tractive force setpoint         60 N           Conductor cross section tensile test         80 N           Tractive force setpoint	Maximum load current	36 A (with 6 mm² conductor cross section)
Shock protection test specification         IEC 60529.2001-02           Back of the hand protection         guaranteed           Finger protection         guaranteed           Result of surge voltage test setpoint         7est passed           Surge voltage test setpoint         7est passed           Result of power-frequency withstand voltage setpoint         2.2 kV           Checking the 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 conductor cross section/weight         0.14 mm² / 0.2 kg           Bending test conductor cross section/weight         0.14 mm² / 0.9 kg           Conductor cross section tensile test         Test passed           Conductor cross section tensile test         10 N           Conductor cross section tensile test         4 mm²           Tractive force setpoint         60 N           Conductor cross section tensile test         4 mm²           Tractive force setpoint         60 N           Conductor cross section tensile test         6 mm²           Tractive force setpoint         80 N           Conductor cross section tensile test         80 N           Tractive force setpoint         80 N     <	Nominal voltage U <sub>N</sub>	1000 V
Back of the hand protection         guaranteed           Finger protection         guaranteed           Result of surge voltage test         Test passed           Surge voltage test setpoint         9.8 kV           Result of power-frequency withstand voltage setpoint         2.2 kV           Checking the mechanical stability of terminal points (5 x conductor connection)         Test passed           Enduring test notation speed         10 rpm           Bending test totation speed         10 rpm           Bending test turns         135           Bending test conductor cross section/weight         0.14 mm² / 0.2 kg           4 mm² / 0.9 kg         6 mm² / 1.4 kg           5 conductor cross section tensile test         0.14 mm²           6 conductor cross section tensile test         0.14 mm²           7 conductor cross section tensile test         0.14 mm²           7 conductor cross section tensile test         0.1 m²           7 conductor cross section tensile test         6 m²           8 on m²         6 m²           7 ractive force setpoint         6 m²           8 on m²         6 mm²           7 ractive force setpoint         80 N           Result of tight fit on support         Test passed           8 cypint         1 N <t< td=""><td>Open side panel</td><td>Yes</td></t<>	Open side panel	Yes
Finger protection guaranteed  Result of surge voltage test Test passed  Surge voltage test setpoint 9.8 kV  Result of power-frequency withstand voltage test  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  Result of bending test toration speed  Bending test rotation speed  Bending test turns  Bending test turns  Bending test conductor cross section/weight  Amm² / 0.2 kg  Amm² / 0.9 kg  Fensile test result  Conductor cross section tensile test  O.14 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  Amm²  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  Test passed  Fest passed	Shock protection test specification	IEC 60529:2001-02
Result of surge voltage test setpoint 9.8 kV  Result of power-frequency withstand voltage test 7 test passed  Power frequency withstand voltage setpoint 2.2 kV  Checking the mechanical stability of terminal points (5 x conductor connection)  Result of bending test 7 test passed  Result of bending test 8 totation speed 10 rpm  Bending test rotation speed 10 rpm  Bending test turns 135  Bending test conductor cross section/weight 0.14 mm² / 0.2 kg  ### 10.9 kg  ### 10.4 kg  Test passed  Conductor cross section tensile test 0.14 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Conductor cross section tensile test 60 N  Conductor cross section tensile test 60 N  Conductor cross section tensile test 60 N  Result of tight fit on support 7 test passed  Tractive force setpoint 80 N  Result of tight fit on support 7 test passed  Setpoint 1N  Result of voltage-drop test 7 test passed 80 N  Result of voltage-drop test 7 test passed 9 Sequirements, voltage drop 2.3.2 mV  Requirements, voltage drop 2nd level 5.3.2 mV  Result of temperature-rise test 7 Test passed  Fest passed 7 Set passed 7 Set passed  Fest passed 7 Set pas	Back of the hand protection	guaranteed
Surge voltage test setpoint       9.8 kV         Result of power-frequency withstand voltage test       Test passed         Power frequency withstand voltage setpoint       2.2 kV         Checking the 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       0.14 mm² / 0.2 kg         4 mm² / 0.9 kg       6 mm² / 1.4 kg         Tensile test result       Test passed         Conductor cross section tensile test       0.14 mm²         Tractive force setpoint       10 N         Conductor cross section tensile test       4 mm²         Tractive force setpoint       60 N         Conductor cross section tensile test       6 mm²         Tractive force setpoint       80 N         Result of tight fit on support       Test passed         Tight fit on aupport       Test passed         Setpoint       1 N         Result of voltage-drop test       5.3 mV         Result of voltage drop       4.3 mV         Requirement, voltage drop 2nd level       4.3 mV         Result of temperature-rise test       Test passed	Finger protection	guaranteed
Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 2.2 kV Checking the mechanical stability of terminal points (5 x conductor connection) 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 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg 4 mm² / 0.9 kg 6 mm² / 1.4 kg Tensile test result Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop 4 set passed Short circuit stability result Test passed Fest passed Short circuit stability result	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 conductor cross section/weight Dending test conductor cross section/weight Dending test result Test passed  Conductor cross section tensile test Dending test result Test passed Conductor cross section tensile test Dending test result Tractive force setpoint Tractive force setpoint Conductor cross section tensile test Dending test tensile test Dending test result Tractive force setpoint Dending test result Tractive force setpoint Dending test result Dending	Surge voltage test setpoint	9.8 kV
Checking the 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       0.14 mm² / 0.2 kg         4 mm² / 0.9 kg       6 mm² / 1.4 kg         Tensile test result       Test passed         Conductor cross section tensile test       0.14 mm²         Tractive force setpoint       10 N         Conductor cross section tensile test       4 mm²         Tractive force setpoint       60 N         Conductor cross section tensile test       6 mm²         Tractive force setpoint       80 N         Result of tight fit on support       Test passed         Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed	Result of power-frequency withstand voltage test	Test passed
connection)  Result of bending test  Bending test rotation speed  Bending test turns  Bending test conductor cross section/weight  Bending test rotation speed  Bending test conductor cross section/weight  Bending test conductor cross section/weight  Bending test result  Conductor cross section tensile test  Amm²  Tractive force setpoint  Conductor cross section tensile test  Amm²  Tractive force setpoint  Conductor cross section tensile test  Benm²  Tractive force setpoint  Conductor cross section tensile test  Tractive force setpoint  Result of tight fit on support  Tractive force setpoint  Result of tight fit on support  Trest passed  Requirements, voltage drop  Solvent  Requirements, voltage drop 2nd level  Result of temperature-rise test  Test passed  Short circuit stability result	Power frequency withstand voltage setpoint	2.2 kV
Bending test rotation speed       10 rpm         Bending test turns       135         Bending test conductor cross section/weight       0.14 mm² / 0.2 kg         4 mm² / 0.9 kg       6 mm² / 1.4 kg         Tensile test result       Test passed         Conductor cross section tensile test       0.14 mm²         Tractive force setpoint       10 N         Conductor cross section tensile test       4 mm²         Tractive force setpoint       60 N         Conductor cross section tensile test       6 mm²         Tractive force setpoint       80 N         Result of tight fit on support       Test passed         Tight fit on carrier       NS 35         Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed		Test passed
Bending test turns         135           Bending test conductor cross section/weight         0.14 mm² / 0.9 kg           4 mm² / 0.9 kg         6 mm² / 1.4 kg           Tensile test result         Test passed           Conductor cross section tensile test         0.14 mm²           Tractive force setpoint         10 N           Conductor cross section tensile test         4 mm²           Tractive force setpoint         60 N           Conductor cross section tensile test         6 mm²           Tractive force setpoint         80 N           Result of tight fit on support         Test passed           Tight fit on carrier         NS 35           Setpoint         1 N           Result of voltage-drop test         Test passed           Requirements, voltage drop         ≤ 3.2 mV           Requirement, voltage drop 2nd level         ≤ 3.2 mV           Result of temperature-rise test         Test passed           Short circuit stability result         Test passed	Result of bending test	Test passed
Bending test conductor cross section/weight  0.14 mm² / 0.2 kg  4 mm² / 0.9 kg  6 mm² / 1.4 kg  Tensile test result  Tensile test result  Conductor cross section tensile test  0.14 mm²  Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  8 3.2 mV  Requirement, voltage drop 2nd level  Short circuit stability result  Test passed  Test passed  Short circuit stability result	Bending test rotation speed	10 rpm
4 mm² / 0.9 kg 6 mm² / 1.4 kg  Tensile test result Test passed Conductor cross section tensile test 0.14 mm² Tractive force setpoint 10 N Conductor cross section tensile test 4 mm² Tractive force setpoint 60 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test Requirements, voltage drop 4 3.2 mV Result of temperature-rise test Test passed Short circuit stability result Test passed	Bending test turns	135
Tensile test result Test passed Conductor cross section tensile test 0.14 mm²  Tractive force setpoint 10 N  Conductor cross section tensile test 4 mm²  Tractive force setpoint 60 N  Conductor cross section tensile test 6 mm²  Tractive force setpoint 80 N  Result of tight fit on support Tight fit on carrier NS 35  Setpoint 1 N  Result of voltage-drop test Requirements, voltage drop  Requirement, voltage drop  Requirement, voltage drop 2nd level  Short circuit stability result  Test passed  Test passed  Test passed  Short circuit stability result	Bending test conductor cross section/weight	0.14 mm² / 0.2 kg
Tensile test result  Conductor cross section tensile test  0.14 mm²  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Requirement, voltage drop 2nd level  Setup of temperature-rise test  Test passed  Short circuit stability result  Test passed		4 mm² / 0.9 kg
Conductor cross section tensile test       0.14 mm²         Tractive force setpoint       10 N         Conductor cross section tensile test       4 mm²         Tractive force setpoint       60 N         Conductor cross section tensile test       6 mm²         Tractive force setpoint       80 N         Result of tight fit on support       Test passed         Tight fit on carrier       NS 35         Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed		6 mm² / 1.4 kg
Tractive force setpoint  Conductor cross section tensile test  4 mm²  Fractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Tight fit on carrier  NS 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  10 N  1	Tensile test result	Test passed
Conductor cross section tensile test  4 mm²  Fractive force setpoint  60 N  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 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  4 mm²  4 mm²  4 mm²  60 N  60 N  7 m²  80 N  80 N  Test passed  Test passed  \$ 3.2 mV  Fest passed  Fest passed	Conductor cross section tensile test	0.14 mm <sup>2</sup>
Tractive force setpoint  Conductor cross section tensile test  6 mm²  Tractive force setpoint  80 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Requirement, voltage drop 2nd level  Result of temperature-rise test  Short circuit stability result  60 N	Tractive force setpoint	10 N
Conductor cross section tensile test       6 mm²         Tractive force setpoint       80 N         Result of tight fit on support       Test passed         Tight fit on carrier       NS 35         Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed	Conductor cross section tensile test	4 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  Result of temperature-rise test  Test passed  Short circuit stability result  80 N  Test passed  NS 35  Setpoint  1 N  Test passed  Test passed	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 ≤ 3.2 mV   Result of temperature-rise test Test passed   Short circuit stability result Test passed	Conductor cross section tensile test	6 mm <sup>2</sup>
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       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed	Tractive force setpoint	80 N
Setpoint     1 N       Result of voltage-drop test     Test passed       Requirements, voltage drop     ≤ 3.2 mV       Requirement, voltage drop 2nd level     ≤ 3.2 mV       Result of temperature-rise test     Test passed       Short circuit stability result     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       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed	Tight fit on carrier	NS 35
Requirements, voltage drop       ≤ 3.2 mV         Requirement, voltage drop 2nd level       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed	Setpoint	1 N
Requirement, voltage drop 2nd level       ≤ 3.2 mV         Result of temperature-rise test       Test passed         Short circuit stability result       Test passed	Result of voltage-drop test	Test passed
Result of temperature-rise test Test passed Short circuit stability result Test passed	Requirements, voltage drop	≤ 3.2 mV
Short circuit stability result Test passed	Requirement, voltage drop 2nd level	≤ 3.2 mV
	Result of temperature-rise test	Test passed
Conductor cross section short circuit testing  4 mm <sup>2</sup>	Short circuit stability result	Test passed
	Conductor cross section short circuit testing	4 mm²



## Technical data

## General

Short-time current	0.48 kA
Conductor cross section short circuit testing	6 mm²
Short-time current	0.72 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
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
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	6.2 mm
Length	75.6 mm
Height NS 35/7,5	65 mm
Height NS 35/15	72.5 mm

## Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.14 mm²



## Technical data

## Connection data

2 conductors with same cross section, stranded max.	1.5 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.14 mm²
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm <sup>2</sup>
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	2.5 mm²
Stripping length	9 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

## Standards and Regulations

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

## **Environmental Product Compliance**

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

## Drawings









## Classifications

## eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

## **ETIM**

ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

### **UNSPSC**

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410



## Classifications

## UNSPSC

UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals

Approvals

Approvals

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

Ex Approvals

## Approval details

CSA	http://www.csagroup.org/services-industries/product-listing/ 13631	
	В	С
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	26-10	26-10

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
	В	С
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	26-10	26-10

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
	В	С
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	26-10	26-10



## Approvals

EAC RU C-DE.A\*30.B.01742

EAC RU C-DE.BL08.B.00534

cULus Recognized

c**Al**us

### Accessories

Accessories

DIN rail

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



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

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



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

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



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



### Accessories

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



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

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



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

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



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

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



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

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



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



### Accessories

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

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



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



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

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



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

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



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

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



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



### Accessories

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



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

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



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

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



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

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



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

End cap - NS 35/15 CAP - 1206573



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



### Accessories

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



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

### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

### End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

#### End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

#### End cover

End cover - D-UTTB 4 HV - 3000709



End cover, length: 75.6 mm, width: 2.2 mm, height: 57.5 mm, color: gray



## Accessories

Spacer plate - DP-UTTB 4 HV - 3000781



Spacer plate, length: 69.9 mm, width: 2.6 mm, height: 33 mm

### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow





### Accessories

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



Jumper

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, pitch: 6.2 mm, width: 16.9 mm, number of positions: 3, color: red



### Accessories

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, pitch: 6.2 mm, width: 23.1 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, pitch: 6.2 mm, width: 29.3 mm, number of positions: 5, color: red

Plug-in bridge - FBS 6-6 - 1008238



Plug-in bridge, One side not fully isolated, pitch: 6.2 mm, width: 35.5 mm, number of positions: 6, color: red

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, pitch: 6.2 mm, width: 60.3 mm, number of positions: 10, color: red

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, pitch: 6.2 mm, width: 122.3 mm, number of positions: 20, color: red



## Accessories

Plug-in bridge - FBS 50-6 - 3032224



Plug-in bridge, pitch: 6.2 mm, width: 308.3 mm, number of positions: 50, color: red

Plug-in bridge - FBSR 2-6 - 3033715



Plug-in bridge, pitch: 6.2 mm, number of positions: 2, color: red

Plug-in bridge - FBSR 3-6 - 3001594



Plug-in bridge, pitch: 6.2 mm, number of positions: 3, color: red

Plug-in bridge - FBSR 4-6 - 3001595



Plug-in bridge, pitch: 6.2 mm, number of positions: 4, color: red

Plug-in bridge - FBSR 5-6 - 3001596



Plug-in bridge, pitch: 6.2 mm, number of positions: 5, color: red



### Accessories

Plug-in bridge - FBSR 10-6 - 3033716



Plug-in bridge, pitch: 6.2 mm, number of positions: 10, color: red

Plug-in bridge - FBS 2-6 BU - 3036932



Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 3-6 BU - 3036945



Plug-in bridge, pitch: 6.2 mm, width: 16.9 mm, number of positions: 3, color: blue

Plug-in bridge - FBS 4-6 BU - 3036958



Plug-in bridge, pitch: 6.2 mm, width: 23.1 mm, number of positions: 4, color: blue

Plug-in bridge - FBS 5-6 BU - 3036961



Plug-in bridge, pitch: 6.2 mm, width: 29.3 mm, number of positions: 5, color: blue



### Accessories

Plug-in bridge - FBS 10-6 BU - 3032198



Plug-in bridge, pitch: 6.2 mm, width: 60.3 mm, number of positions: 10, color: blue

Plug-in bridge - FBS 20-6 BU - 3032208



Plug-in bridge, pitch: 6.2 mm, width: 122.3 mm, number of positions: 20, color: blue

Plug-in bridge - FBS 50-6 BU - 3032211



Plug-in bridge, pitch: 6.2 mm, width: 308.3 mm, number of positions: 50, color: blue

### Labeled terminal marker

Zack marker strip - ZB 6 CUS - 0824992



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

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



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



### Accessories

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



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

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



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

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



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

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



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

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



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80



### Accessories

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



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

### Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

### Partition plate

Partition plate - ATP-UTTB 2,5/4 - 3047316



Partition plate, length: 74.3 mm, width: 2.2 mm, height: 70 mm, color: gray

#### Screwdriver tools

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



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

### Short-circuit connector

Short-circuit connector - FBSRH 2-6 - 3033812



Short-circuit connector, pitch: 6.2 mm, number of positions: 2, color: red



### Accessories

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



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

Marker for terminal blocks - UC-TM 6 - 0818085



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

Marker for terminal blocks - UCT-TM 6 - 0828736



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

Test plug terminal block

Test plugs - PS-6/2,3MM RD - 3038736



Test plugs, color: red

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray



### Accessories

Test plugs - PS-6 - 3030996



Test plugs, Modular test plug, color: red

Test plugs - PS-6/2,3MM RD - 3038736



Test plugs, color: red

### Test socket

Test adapter - PAI-4-FIX-5/6 BU - 3035975



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

Test adapter - PAI-4-FIX-5/6 OG - 3035974



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

Test adapter - PAI-4-FIX-5/6 YE - 3035977



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



### Accessories

Test adapter - PAI-4-FIX-5/6 RD - 3035976



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

Test adapter - PAI-4-FIX-5/6 GN - 3035978



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

Test adapter - PAI-4-FIX-5/6 BK - 3035980



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

Test adapter - PAI-4-FIX-5/6 GY - 3035982



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

Test adapter - PAI-4-FIX-5/6 VT - 3035979



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



### Accessories

Test adapter - PAI-4-FIX-5/6 BN - 3035981



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

Test adapter - PAI-4-FIX-5/6 WH - 3035983



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

### Vertical bridge

Potential bridge - FBS-PV UT - 3047358



Vertical potential bridge, to connect the upper and lower level

### Warning label printed

Warning label - WS UT 4 - 3047332

Warning sign for UT terminal blocks



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