

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Installation ground terminal block, Push-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

### Your advantages



### **Key Commercial Data**

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 0 4 6 3 5 6 6 0 9 6 3 0
GTIN	4046356609630
Weight per Piece (excluding packing)	17.020 g
Custom tariff number	85369010
Country of origin	Germany

#### Technical data

#### General

Note	Assembly instructions:For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.
Number of levels	3
Number of connections	5
Potentials	2
Nominal cross section	4 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
	6 kV



### Technical data

### General

Degree of pollution         3           Overvoltage category         III           Insubating material group         1           Maximum power dissipation for nominal condition         1.02 W (the value is multiplied when connecting multiple levels)           Maximum load current         30.0 A (with 4 mm² conductor cross section)           Nominal until seal current         40.0 V (phase conductor/phase conductor)           Copen side panel         250 V (phase conductor/PE)           Open side panel         460 °C 85 °C           Ambient temperature (operation)         40° °C 85 °C (For a short time, not exceeding 24 h., 460 to +70 °C)           Moisture, minimum (storage/transport)         25 °C 55 °C (For a short time, not exceeding 24 h., 460 to +70 °C)           Moisture, minimum (storage/transport)         70 %           Ambient temperature (sorage/transport)         70 %           Moisture, minimum (storage/transport)         70 %           Ambient temperature (seasombly)         5 °C 70 °C           Shock protection temperature (seasombly)         9 °C 70 °C           Shock protection separature (seasombly)         9 °		
Insulating material group  Insulating material group and and post contour group  Insulating material group according and Jone section  Insulating material group and and post contour group  Insulating material g	Degree of pollution	3
Maximum power dissipation for nominal condition         1.02 W (the value is multiplied when connecting multiple levels)           Maximum load current In,         30 A (with 4 mm² conductor cross section and 3-pos. terminal block)           Nominal current In,         40 V (phase conductor/phase conductor)           Nominal voltage U <sub>N</sub> 400 V (phase conductor/phase conductor)           Open side panel         Yes           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)           Moisture, minimum (storage/transport)         70 %           Moisture, maximum (storage/transport)         70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Finger protection         peranteed           Finger protection         Depending on the end application with regard to the busbar.           Result of surge voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage set test         Test passed           Power frequency withstand voltage setpoint         1.89 kV           Result of the lest for mechanical stability of terminal points (5 x conductor connection)         Test passed           Bending test troation speed         10 rp	Overvoltage category	III
Maximum load current I <sub>k</sub> 30 A (with 4 mm² conductor cross section and 3-pos. terminal block)           Nominal current I <sub>k</sub> 24 A (with 4 mm² conductor cross section)           Nominal voltage U <sub>k</sub> 400 V (phase conductor)/PE)           Open side panel         Yes           Ambient temperature (poration)         40° C 85° C           Ambient temperature (storage/transport)         30 %           Moisture, minimum (storage/transport)         30 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (storage/transport)         70 %           Ambient temperature (storage/transport)         70 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (s	Insulating material group	I
Nominal current I <sub>N</sub> 24 A (with 4 mm² conductor cross section)           Nominal voltage U <sub>N</sub> 400 V (phase conductor/phase conductor)           Open side panel         Yes           Ambient temperature (operation)         60 °C 85 °C           Ambient temperature (storage/transport)         25 °C 55 °C (For a short time, not exceeding 24 h, 40 to +70 °C)           Moisture, minimum (storage/transport)         70 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (assembly)         5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Bask of the hand protection         guaranteed           Finger protection         guaranteed           Note regarding shock protection         Depending on the end application with regard to the busbar.           Result of surge voltage test         Test passed           Source voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage setpoint         189 kV           Result of be test for mechanical stability of terminal points (5 x and protection)         Test passed           Power frequency withstand voltage setpoint         189 kV           Result of bending test for mechanical stability of terminal points (5 x and protection)         Test passed           Bending test rotatio	Maximum power dissipation for nominal condition	1.02 W (the value is multiplied when connecting multiple levels)
Nominal voltage Uy         400 V (phase conductor/ptase conductor)           Open side panel         Yes           Ambient temperature (operation)         40° °C 85 °C           Ambient temperature (storage/transport)         25° °C 55° °C (For a short time, not exceeding 24 h, -60 to +70° °C)           Moisture, minimum (storage/transport)         30 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (assembly)         -5° °C 70° °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Finger protection         guaranteed           Note regarding shock protection         guaranteed           Note regarding shock 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 test         Test passed           Power frequency withstand voltage test point         7.8 kV           Result of bending test trans         15 Est passed           Bending test rotation speed         10 rpm           Bending test trans         135           Bending test rotatio	Maximum load current	30 A (with 4 mm² conductor cross section and 3-pos. terminal block)
Open side panel         250 V (phase conductor/PE)           Open side panel         Yes           Ambient temperature (operation)         460 °C · 85 °C           Ambient temperature (storage/transport)         25 °C · 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)           Moisture, minimum (storage/transport)         70 %           Ambient temperature (assembly)         5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Note regarding shock protection         Depending on the end application with regard to the busbar.           Result of surge voltage lest setpoint         7.3 kV           Result of power-frequency withstand voltage setpoint         1.88 kV           Result of bendring test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Result of bendring test turns         135           Bending test conductor cross section/weight         0.14 mm² / 0.2 kg           Hending test conductor cross section tensile test         0.14 mm² / 0.2 kg           Tractive force septonit         10 N           Conductor cross section tensile test         0.14 mm²           Tractive force septonit         0 N           Conductor cross section tensile test         0 N	Nominal current I <sub>N</sub>	24 A (with 4 mm² conductor cross section)
Open side panel         Yes           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)           Moisture, minimum (storage/transport)         70 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (assembly)         -5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Finger protection         guaranteed           Note regarding shock protection         Depending on the end application with regard to the busbar.           Result of surge voltage test         Test passed           Surge voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage setpoint         1.89 kV           Result of power-frequency withstand voltage setpoint         1.89 kV           Result of the test for mechanical stability of terminal points (5 x conductor connection)         Test passed           Bending test rotation speed         10 rpm           Bending test conductor cross section/weight         0.14 mm² / 0.2 kg           Test passed         Conductor cross section tensile test         1 mm² / 0.9 kg           Tensile test result         Test pass	Nominal voltage U <sub>N</sub>	400 V (phase conductor/phase conductor)
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)           Moisture, minimum (storage/transport)         30 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (assembly)         -5 °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Finger protection         guaranteed           Note regarding shock protection         Depending on the end application with regard to the busbar.           Result of surge voltage test         Test passed           Surge voltage test setpoint         7.3 kV           Result of 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 conductor cross section/weight         0.14 mm² / 0.2 kg           Test passed         Conductor cross section tensile test         0.14 mm² / 0.9 kg           Tractive force setpoint         60 N           Tractive force setpoint         60 N		250 V (phase conductor/PE)
Ambient temperature (storage/transport)  Ambient temperature (storage/transport)  Moisture, minimum (storage/transport)  Moisture, minimum (storage/transport)  70 %  Ambient temperature (assembly)  5° C 70° C  Shock protection test specification  DIN EN 50274 (VDE 0660-514):2002-11  Back of the hand protection  guaranteed  Note regarding shock protection  Pessult of 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)  Bending test rotation speed  Conductor cross section tensile test  Test passed  Test passed  Test passed  Test passed  10 rpm  Bending test rotation speed  4 mm² / 0.2 kg  Tensile test result  Conductor cross section tensile test  Tractive force selpoint  10 N  Tractive force selpoint  10 N  Result of fight fit on support  Tractive force selpoint  10 N  Result of tight fit on support  Tractive force selpoint  Result of tight fit on support  Tractive force selpoint  Test passed  Repult of tight fit on support  Test passed  Test passed	Open side panel	Yes
Moisture, minimum (storage/transport)         30 %           Moisture, maximum (storage/transport)         70 %           Ambient temperature (assembly)         5° °C 70 °C           Shock protection test specification         DIN EN 50274 (VDE 0660-514):2002-11           Back of the hand protection         guaranteed           Note regarding shock protection         Depending on the end application with regard to the busbar.           Result of surge voltage test         Test passed           Surge voltage test setpoint         7.3 kV           Result of power-frequency withstand voltage sets 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 bending test rotation speed         10 rpm           Bending test totation speed         10 rpm           Bending test conductor cross section/weight         0.14 mm² / 0.2 kg           Tensile test result         Test passed           Tensile test result         0.14 mm² / 0.9 kg           Tensile test result         0.14 mm² / 0.9 kg           Tensile test result         0.0 N           Conductor cross section tensile test         0.14 mm²           Tractive force setpoint         0.0 N           Conductor cross section tensile test	Ambient temperature (operation)	-60 °C 85 °C
Moisture, maximum (storage/transport) 70 % Ambient temperature (assembly) 5° C 70° C Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection Back of the hand protection guaranteed Surger voltage test Test passed Surge voltage test setpoint 7.3 kV Result of power-frequency withstand voltage sets Test passed Power frequency withstand voltage setpoint 1.89 kV Result of bending test Test passed Power frequency withstand voltage setpoint 1.89 kV Result of bending test Test passed Pending test to mechanical stability of terminal points (5 x conductor connection) Result of bending test Test passed Pending test turns 135 Bending test turns 135 Bending test turns 135 Bending test turns 135 Conductor cross section tensile test 7.4 km² 7.0 kg Test passed Conductor cross section tensile test 1.4 km² 7.0 kg Tractive force setpoint 10 N Conductor cross section tensile test 11 N Result of tight fit on support 1 Test passed Requirements, voltage-drop test 1 Test passed Requirements, voltage-drop test 5.3 mV Result of temperature-rise test 1 Test passed Requirements, voltage drop 2.3 mV	Ambient temperature (storage/transport)	-25 °C 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)
Ambient temperature (assembly)  5°C 70°C  Shock protection test specification  DIN EN 50274 (VDE 0660-514);2002-11  Back of the hand protection  guaranteed  Finger protection  Depending on the end application with regard to the busbar.  Result of surge voltage test  Surge voltage test setpoint  Result of power-frequency withstand voltage test  Test passed  Power frequency withstand voltage setpoint  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of 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 setpoint  Conductor cross section tensile test  10 14 mm² / 0.2 kg  4 mm² / 0.9 kg  Tensile test result  Conductor cross section tensile test  10 N  Conductor cross section tensile test  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Result of voltage-drop test  Test passed  Requirements, voltage drop  5.3 mV  Fest passed  Fest passed  Fest passed  Fest passed	Moisture, minimum (storage/transport)	30 %
Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Finger protection guaranteed Note regarding shock protection Depending on the end application with regard to the busbar. Result of surge voltage test Test passed Surge voltage test setpoint 7.3 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.89 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test Bending test rotation speed 10 rpm Bending test rotation speed 10 rpm Bending test turns 135 Bending test conductor cross section/weight 1.4 mm² / 0.2 kg  Tensile test result 1 Test passed Conductor cross section tensile test 0.14 mm² / 0.9 kg  Tensile test result 10 N Conductor cross section tensile test 11 Test passed Tractive force setpoint 60 N Result of tight fit on support 1 Test passed Tight fit on carrier NS 35 Setpoint 1 N Result of voltage-drop test 1 Test passed Requirements, voltage drop 5 43.2 mV Result of temperature-rise test 1 Test passed	Moisture, maximum (storage/transport)	70 %
Back of the hand protection guaranteed Finger protection guaranteed Note regarding shock protection Depending on the end application with regard to the busbar. Result of surge voltage test Surge voltage test Test passed Surge voltage test setpoint 7.3 kV Result of power-frequency withstand voltage test Power frequency withstand voltage setpoint 1.89 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Result of bending test 1 Test passed Bending test rotation speed 10 rpm Bending test rotation speed 10 rpm Bending test conductor cross section/weight 1.35 Bending test conductor cross section/weight 1.4 mm² / 0.2 kg Tensile test result 1 Test passed Conductor cross section tensile test 0.14 mm² / 0.9 kg Tensile test result 10 N Conductor cross section tensile test 11 Test passed Tractive force setpoint 60 N Result of tight fit on support 1 Test passed Fesult of tight fit on support 1 Test passed Result of voltage-drop test 1 N Result of voltage-drop test 1 Test passed Requirements, voltage drop 5 4.3 mV Result of temperature-rise test 1 Test passed	Ambient temperature (assembly)	-5 °C 70 °C
Finger protection guaranteed  Note regarding shock protection Depending on the end application with regard to the busbar.  Result of surge voltage test Test passed  Surge voltage test setpoint 7.3 kV  Result of power-frequency withstand voltage test Test passed  Power frequency withstand voltage setpoint 1.89 kV  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test 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  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 10 N  Result of tight fit on support Test passed  Setpoint 1 N  Result of voltage-drop test Test passed  Result of voltage-drop test Test passed	Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Note regarding shock protection  Result of surge voltage test  Surge voltage test setpoint  Result of power-frequency withstand voltage test  Test passed	Back of the hand 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       0.14 mm² / 0.2 kg         4 mm² / 0.9 kg       4 mm² / 0.9 kg         Tensile test result       Test passed         Conductor cross section tensile test       0.14 mm²         Conductor cross section tensile test       4 mm²         Tractive force setpoint       10 N         Conductor cross section tensile test       4 mm²         Tractive force setpoint       60 N         Result of tight fit on support       Test passed         Tight fit on carrier       NS 35         Setpoint       1 N         Result of voltage-drop test       Test passed         Requirements, voltage drop       ≤ 3.2 mV         Result of temperature-rise test       Test passed	Finger protection	guaranteed
Surge voltage test setpoint 7.3 kV  Result of power-frequency withstand voltage test Test passed  Power frequency withstand voltage setpoint 1.89 kV  Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of 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  Test passed  Test passed  Test passed  O.14 mm² / 0.9 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  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	Note regarding shock protection	Depending on the end application with regard to the busbar.
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 10 rpm  Bending test turns 135  Bending test conductor cross section/weight 0.14 mm² / 0.2 kg  4 mm² / 0.9 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  Result of tight fit on support Tight fit on carrier NS 35  Setpoint 1 N  Result of voltage-drop test Requirements, voltage drop  \$\leq 3.2 \text{ mV}\$  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  Test passed  10 rpm  Bending test rotation speed  10 rpm  Bending test turns  135  Bending test conductor cross section/weight  135  Bending test conductor cross section/weight  12	Surge voltage test setpoint	7.3 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)  Result of bending test  Bending test rotation speed  Bending test turns  Bending test conductor cross section/weight  Conductor cross section tensile test  A mm²  Tractive force setpoint  Conductor cross section tensile test  A mm²  Tractive force setpoint  Conductor cross section tensile test  Test passed  Test passed  Test passed  Tight fit on support  Test passed  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  S 3.2 mV  Result of temperature-rise test  Test passed	Result of power-frequency withstand voltage test	Test passed
conductor connection)  Result of bending test  Bending test rotation speed  Bending test turns  Bending test conductor cross section/weight  Conductor cross section tensile test  A mm²  Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  \$3.2 mV  Result of temperature-rise test  Test passed	Power frequency withstand voltage setpoint	1.89 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       4 mm² / 0.9 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         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		Test passed
Bending test turns       135         Bending test conductor cross section/weight       0.14 mm² / 0.2 kg         4 mm² / 0.9 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         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	Result of bending test	Test passed
Bending test conductor cross section/weight  0.14 mm² / 0.2 kg  4 mm² / 0.9 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  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  Est passed  Requirements, voltage drop  Result of temperature-rise test  Test passed	Bending test rotation speed	10 rpm
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   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	Bending test turns	135
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  Result of tight fit on support  Tight fit on carrier  NS 35  Setpoint  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed	Bending test conductor cross section/weight	0.14 mm² / 0.2 kg
Conductor cross section tensile test  Tractive force setpoint  10 N  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Requirements, voltage drop  Esult of temperature-rise test  1 methods  Test passed  Test passed		4 mm² / 0.9 kg
Tractive force setpoint  Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Tight fit on carrier  NS 35  Setpoint  1 N  Result of voltage-drop test  Test passed  Requirements, voltage drop  Esult of temperature-rise test  10 N  10	Tensile test result	Test passed
Conductor cross section tensile test  4 mm²  Tractive force setpoint  60 N  Result of tight fit on support  Test passed  Tight fit on carrier  NS 35  Setpoint  Result of voltage-drop test  Requirements, voltage drop  Result of temperature-rise test  Test passed  Test passed	Conductor cross section tensile test	0.14 mm²
Tractive force setpoint 60 N  Result of tight fit on support Test passed  Tight fit on carrier NS 35  Setpoint 1 N  Result of voltage-drop test Test passed  Requirements, voltage drop ≤ 3.2 mV  Result of temperature-rise test Test passed	Tractive force setpoint	10 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         Result of temperature-rise test       Test passed	Conductor cross section tensile test	4 mm²
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	Tractive force setpoint	60 N
Setpoint     1 N       Result of voltage-drop test     Test passed       Requirements, voltage drop     ≤ 3.2 mV       Result of temperature-rise 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	Tight fit on carrier	NS 35
Requirements, voltage drop     ≤ 3.2 mV       Result of temperature-rise test     Test passed	Setpoint	1 N
Result of temperature-rise test Test passed	Result of voltage-drop test	Test passed
	Requirements, voltage drop	≤ 3.2 mV
Short circuit stability result Test passed	Result of temperature-rise test	Test passed
	Short circuit stability result	Test passed



### Technical data

### General

Conductor cross section short circuit testing         4 mm²           Short-time current         0.48 kA           Conductor cross section short circuit testing         4 mm²           Short-time current         0.48 kA           Result of thermal test         Test passed           Ageing test for screwless modular terminal block temperature cycles         192           Proof of thermal characteristics (needle flame) effective duration         30 s           Result of aging test         Test spassed           Oscillation, broadband noise test result         Test passed           Test specification, oscillation, broadband noise test result         Test specification, socillation, broadband noise           Test st frequency         1, = 5 Hz to 1, = 150 Hz           ASD level         0.984 (m/s²²²/Hz           Acceleration         0.58 g           Test directions         X, Y, and Z-axis           Shock test result         Test passed           Test directions, shock test         DIN EN 50155 (VDE 0115-200):2008-03           Shock form         Half-sine           Acceleration         5g           Shock duration         30 ms           Number of shocks per direction         3, Y, and Z-axis (pos. and neg.)           Relative insulating material temperature index (Elec., UL 746 B)         130 °C </th <th>General</th> <th></th>	General	
Conductor cross section short circuit testing         4 mm²           Short-time current         0.48 kA           Result of thermal test         Test passed           Ageing test for screwless modular terminal block temperature cycles         192           Proof of thermal characteristics (needle flame) effective duration         30 s           Result of aging test         Test passed           Oscillation, broadband noise test result         Test passed           Test specification, oscillation, broadband noise test result         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test frequency         f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz           ASD level         0.964 (m/s²³²/Hz           Acceleration         0.58 g           Test duration per axis         5 h           Test duration per axis         Test passed           Shock test result         Test passed           Test specification, shock test         DIN EN 50155 (VDE 0115-200):2008-03           Shock form         Half-sine           Acceleration         30 ms           Number of shocks per direction         30 ms           Test directions	Conductor cross section short circuit testing	4 mm²
Short-time current         0.48 kA           Result of thermal test         Test passed           Ageing test for screwless modular terminal block temperature cycles         192           Proof of thermal characteristics (needle flame) effective duration         30 s           Result of aging test         Test passed           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 1, class B, body mounted           Test frequency         f, = 5 Hz to f <sub>2</sub> = 150 Hz           ASD level         0.964 (m/s²²/Hz           Acceleration         0.58 g           Test duration per axis         5 h           Test specification, shock test         DIN EN 50155 (VDE 0115-200):2008-03           Shock fest result         Test passed           Test specification, shock test         DIN EN 50155 (VDE 0115-200):2008-03           Shock duration         30 ms           Number of shocks per direction         30 ms           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	Short-time current	0.48 kA
Result of thermal test Test passed  Ageing test for screwless modular terminal block temperature cycles  Proof of thermal characteristics (needle flame) effective duration  Result of aging test  Test passed  Test passed  Oscillation, broadband noise test result  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 1, class B, body mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  0.964 (m/s³)²/Hz  Cacceleration  0.58 g  Test duration per axis  5 h  Test duration per axis  Test passed  Test specification, shock test  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock duration  Acceleration  Sg  Shock duration  Acceleration  Sg  Shock duration  30 ms  Number of shocks per direction  Test directions  X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Test directions  X-, Y- and Z-axis (pos. and neg.)  Test directions  X-, Y- and Z-axis (pos. and neg.)  Test directions  Acceleration definition material (DIN EN 60216-1 (VDE 0304-21))  Test directions acceleration on cold  40° C  Surface flammability NFPA 130 (ASTM E 162)  passed  Specific optical density of smoke NFPA 130 (ASTM E 662)  passed  Calorimetric heat release NFPA 130 (ASTM E 1854)  Tier protection for rail vehicles (DIN EN 45545-2) R22  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) R24  HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24  HL 1 - HL 3	Conductor cross section short circuit testing	4 mm <sup>2</sup>
Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration Result of aging test Oscillation, broadband noise test result Test passed Oscillation, broadband noise test result Test spacefication, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 1, class B, body mounted Test frequency f, = 5 Hz to f <sub>2</sub> = 150 Hz ASD level 0.964 (m/s³)²/Hz Acceleration 0.58 g Test duration per axis 5 h Test drections X-, Y- and Z-axis Shock test result Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Test of the company of the comp	Short-time current	0.48 kA
Proof of thermal characteristics (needle flame) effective duration         30 s           Result of aging test         Test passed           Oscillation, broadband noise test result         Test passed           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, socillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           ASD level         0.964 (m/s²)²/Hz           ASD level         0.984 (m/s²)²/Hz           Acceleration         0.58 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         5g           Shock duration         30 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 0)         125 °C           Surface flammability NFPA 130 (A	Result of thermal test	Test passed
Result of aging test         Test passed           Oscillation, broadband noise test result         Test passed           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test specification, oscillation, broadband noise         DIN EN 50155 (VDE 0115-200):2008-03           Test spectrum         Service life test category 1, class B, body mounted           Test frequency         f, = 5 Hz to f <sub>2</sub> = 150 Hz           ASD level         0.964 (m/s²)²/Hz           Acceleration         0.58 g           Test duration per axis         5 h           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         5g           Shock duration         30 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 0)         125 °C           Static insulating material application in cold         60 °C <td>Ageing test for screwless modular terminal block temperature cycles</td> <td>192</td>	Ageing test for screwless modular terminal block temperature cycles	192
Oscillation, broadband noise test result Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum Service life test category 1, class B, body mounted Test frequency f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz ASD level 0,964 (m/s <sup>3</sup> ) <sup>2</sup> /Hz Acceleration 0,58 g  Test duration per axis 5 h Test duration per axis Test directions X-, Y- and Z-axis Shock test result Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03  The st directions X-, Y- and Z-axis Shock test result Test directions DIN EN 50155 (VDE 0115-200):2008-03  Shock form Half-sine Acceleration Sg Shock duration Sg Shock duration 30 ms Number of shocks per direction 3. X-, Y- and Z-axis (pos. and neg.)  Test directions X-, Y- and Z-axis (pos. and neg.)  Test directions X-, Y- and Z-axis (pos. and neg.)  Test directions Test directions Test direction disulation material temperature index (Elec., UL 746 B) 130 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  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  Fine 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) R24 HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24 HL 1 - HL 3	Proof of thermal characteristics (needle flame) effective duration	30 s
Test specification, oscillation, broadband noise  DIN EN 50155 (VDE 0115-200):2008-03  Test spectrum  Service life test category 1, class B, body mounted  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  0.964 (m/s³)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Half-sine  Acceleration  4 Sine  Acceleration  Sine  Acce	Result of aging test	Test passed
Test spectrum  Service life test category 1, class B, body mounted  Test frequency  f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  ASD level  0.964 (m/s²)²/Hz  Acceleration  0.58 g  Test duration per axis  5 h  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  5g  Shock duration  Number of shocks per direction  3 ms  Number of shocks per direction  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  40 °C  Specific optical density of smoke NFPA 130 (ASTM E 162)  Specific protection for rail vehicles (DIN EN 45545-2) R22  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) R24  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) R24  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) R24  HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24  HL 1 - HL 3	Oscillation, broadband noise test result	Test passed
Test frequency         f, = 5 Hz to f <sub>z</sub> = 150 Hz           ASD level         0.964 (m/s²)²/Hz           Acceleration         0.58 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         5g           Shock duration         30 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           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)         27.5 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) R24         HL 1 - HL 3<	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
ASD level 0.964 (m/s²²²/Hz  Acceleration 0.58 g  Test duration per axis 5 h  Test directions X-, Y- and Z-axis  Shock test result Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03  Shock form Half-sine  Acceleration 5g  Shock duration 30 ms  Number of shocks per direction 30 ms  Number of shocks per direction 30 ms  Relative insulation material temperature index (Elec., UL 746 B) 130 °C  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold -60 °C  Surface flammability NFPA 130 (ASTM E 162) passed  Smoke gas toxicity NFPA 130 (ASTM E 162) passed  Smoke gas toxicity NFPA 130 (ASTM E 162) passed  Calorimetric heat release NFPA 130 (ASTM E 154) 27,5 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) R24 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) R24  HL 1-HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24	Test spectrum	Service life test category 1, class B, body mounted
Acceleration         0.58 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         5g           Shock duration         30 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           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)         27,5 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	Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
Test duration per axis  Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  Sg  Shock duration  Number of shocks per direction  Test directions  X-, Y- and Z-axis (VDE 0115-200):2008-03  Shock duration  30 ms  Number of shocks per direction  3 X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  Specific optical density of smoke NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  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) R24  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) R24  HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24  HL 1 - HL 3	ASD level	0.964 (m/s²)²/Hz
Test directions  X-, Y- and Z-axis  Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Acceleration  Shock duration  Number of shocks per direction  Test directions  X-, Y- and Z-axis (pos. and neg.)  Relative insulation material temperature index (Elec., UL 746 B)  Static insulating material application in cold  Static insulating material application in cold  Specific optical density of smoke NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  Fire protection for rail vehicles (DIN EN 45545-2) R24  Fire protection for rail vehicles (DIN EN 45545-2) R24  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) R24  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) R24  HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24  HL 1 - HL 3	Acceleration	0.58 g
Shock test result  Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  Sg  Shock duration  Number of shocks per direction  Test directions  Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  Surface flammability NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  Fire protection for rail vehicles (DIN EN 45545-2) R24  Fire protection for rail vehicles (DIN EN 45545-2) R24  Half-sine  Test passed  30 ms  X-, Y- and Z-axis (pos. and neg.)  130 °C  125 °C  125 °C  26  27  27  25  26  27  25  26  27  27  35  35  36  36  37  38  38  39  30  30  30  30  30  30  30  30  30	Test duration per axis	5 h
Test specification, shock test  DIN EN 50155 (VDE 0115-200):2008-03  Shock form  Half-sine  Acceleration  5g  Shock duration  30 ms  Number of shocks per direction  3	Test directions	X-, Y- and Z-axis
Shock form Half-sine  Acceleration 5g  Shock duration 30 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))  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) 27,5 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) R24 HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24 HL 1 - HL 3	Shock test result	Test passed
Acceleration 5g Shock duration 30 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)) 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) 27,5 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	Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock duration 30 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  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) 27,5 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	Shock form	Half-sine
Number of shocks per direction  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))  Static insulating material application in cold  -60 °C  Surface flammability NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  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) R24  HL 1 - HL 3	Acceleration	5g
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))  Static insulating material application in cold  -60 °C  Surface flammability NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  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) R24  HL 1 - HL 3	Shock duration	30 ms
Relative insulation material temperature index (Elec., UL 746 B)  Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  Static insulating material application in cold  -60 °C  Surface flammability NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  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) R24  HL 1 - HL 3	Number of shocks per direction	3
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))  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) 27,5 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	Test directions	X-, Y- and Z-axis (pos. and neg.)
Static insulating material application in cold  Surface flammability NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  Fire protection for rail vehicles (DIN EN 45545-2) R23  Fire protection for rail vehicles (DIN EN 45545-2) R24  HL 1 - HL 3  Fire protection for rail vehicles (DIN EN 45545-2) R24  HL 1 - HL 3	Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Surface flammability NFPA 130 (ASTM E 162)  Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  Fire protection for rail vehicles (DIN EN 45545-2) R22  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) R24  HL 1 - HL 3	, , , , , , , , , , , , , , , , , , , ,	125 °C
Specific optical density of smoke NFPA 130 (ASTM E 662)  Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  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	Static insulating material application in cold	-60 °C
Smoke gas toxicity NFPA 130 (SMP 800C)  Calorimetric heat release NFPA 130 (ASTM E 1354)  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	Surface flammability NFPA 130 (ASTM E 162)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)  27,5 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	Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
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	Smoke gas toxicity NFPA 130 (SMP 800C)	passed
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	Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R24 HL 1 - HL 3	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) R26 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	5.2 mm
End cover width	2.2 mm
Length	101 mm
Height	48.6 mm



### Technical data

### Dimensions

Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

## Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection	1st, 2nd and 3rd level
Connection method	Push-in connection
Stripping length	8 mm 10 mm
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	4 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	0.5 mm²
Conductor cross section solid min.	0.34 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Internal cylindrical gage	A3
Connection method	Push-in connection
Stripping length	8 mm 10 mm
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	0.5 mm²

### Standards and Regulations

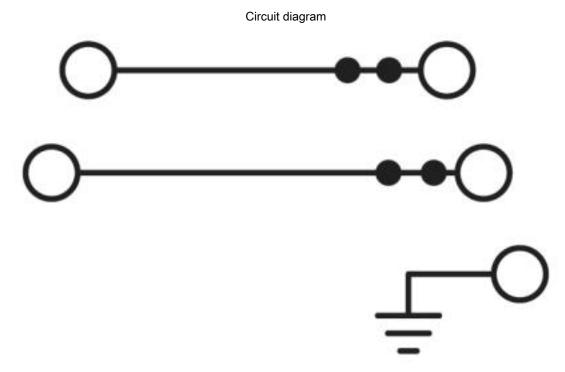
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

### **Environmental Product Compliance**

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings





### Classifications

### eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCI@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCI@ss 7.0	27141125
eCl@ss 8.0	27141125
eCl@ss 9.0	27141125

### **ETIM**

ETIM 4.0	EC000897
ETIM 5.0	EC001329
ETIM 6.0	EC001329
ETIM 7.0	EC001329

## 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

DNV GL / CSA / LR / UL Recognized / cUL Recognized / IECEE CB Scheme / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals

### Approval details

DNV GL https://approvalfinder.dnvgl.com/ TAE00001BU

CSA	<b>(P</b>	http://www.csagroup.org/services-industries/product-listing/ 13631			13631	
	В		С		D	
Nominal voltage UN	300 V		150 V		300 V	
Nominal current IN	20 A		20 A		10 A	
mm²/AWG/kcmil	26-12		26-12		26-12	

LR Lloyd's http://www.lr.org/en 14/20062

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425		
	В	С	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	20 A	20 A	10 A
mm²/AWG/kcmil	26-12	26-12	26-12



## Approvals

cUL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60-				m FILE E 60425
	В	С	D	
Nominal voltage UN	300 V	150 V	300 V	
Nominal current IN	20 A	20 A	10 A	
mm²/AWG/kcmil	26-12	26-12	26-12	

IECEE CB Scheme	<b>CB</b> scheme	http://www.iecee.org/	DE1-57041
Nominal current IN		24 A	
mm²/AWG/kcmil		0.2-4	

VDE Zeichengenehmigung	DYE	http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx 40037		40037480
Nominal current IN			24 A	
mm²/AWG/kcmil			0.2-4	

EAC [H[	RU C- DE.BL08.B.00644
---------	--------------------------

cULus Recognized

#### Accessories

Accessories

Bridge

Wire bridge - FBSW 2-5/250MM - 3030172



Wire bridge, length: 250 mm, width: 5.1 mm, number of positions: 1, color: red/black



#### Accessories

Wire bridge - FBSW 2-5/60MM - 3030170



Wire bridge, length: 60 mm, width: 5.1 mm, number of positions: 1, color: red/black

Wire bridge - FBSW 2-5/110MM - 3030171



Wire bridge, length: 110 mm, width: 5.1 mm, number of positions: 1, color: red/black

#### Cover profile

Cover profile - AP-NLS N - 1013634



Cover profile, length: 300 mm, color: transparent

#### 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



#### Accessories

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



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

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



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

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



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

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



#### Accessories

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



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

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

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



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



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

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



#### Accessories

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



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

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



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

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



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

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



#### Accessories

End cap - NS 35/15 CAP - 1206573



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

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



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

#### Documentation

Mounting material - PT-IL - 3208090



Operating decal for the push-in Technology

### 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



#### Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

#### End cover

End cover - D-PTI/3 - 3213975



End cover, length: 101 mm, width: 2.2 mm, height: 48.2 mm, color: gray

### Filler plug

Filler plugs - CEC 2,5 - 3062757



Cover for conductor shaft, 10-pos., for spring cage terminal blocks (ST) and terminal blocks with push-in technology (PT) with a width of 5.2 mm

#### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red





#### Accessories

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



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





#### Accessories

Insulating sleeve - ISH 2,5/0,2 - 3002843



Insulating sleeve, color: white

Insulating sleeve - ISH 2,5/0,5 - 3002856



Insulating sleeve, color: gray

Insulating sleeve - ISH 2,5/1,0 - 3002869



Insulating sleeve, color: black

#### Jumper

Plug-in bridge - FBS 2-5 - 3030161



Plug-in bridge, pitch: 5.2 mm, length: 22.7 mm, width: 9 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-5 - 3030174



Plug-in bridge, pitch: 5.2 mm, length: 22.7 mm, width: 14.2 mm, number of positions: 3, color: red



#### Accessories

Plug-in bridge - FBS 4-5 - 3030187



Plug-in bridge, pitch: 5.2 mm, length: 22.7 mm, width: 19.4 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-5 - 3030190



Plug-in bridge, pitch: 5.2 mm, length: 23 mm, width: 24.6 mm, number of positions: 5, color: red

Plug-in bridge - FBS 10-5 - 3030213



Plug-in bridge, pitch: 5.2 mm, length: 22.7 mm, width: 50.6 mm, number of positions: 10, color: red

Plug-in bridge - FBS 20-5 - 3030226



Plug-in bridge, pitch: 5.2 mm, number of positions: 20, color: red

Plug-in bridge - FBS 50-5 - 3038930



Plug-in bridge, pitch: 5.2 mm, number of positions: 50, color: red



#### Accessories

Plug-in bridge - FBSR 2-5 - 3033702



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: red

Plug-in bridge - FBSR 3-5 - 3001591



Plug-in bridge, pitch: 5.2 mm, number of positions: 3, color: red

Plug-in bridge - FBSR 4-5 - 3001592



Plug-in bridge, pitch: 5.2 mm, number of positions: 4, color: red

Plug-in bridge - FBSR 5-5 - 3001593



Plug-in bridge, pitch: 5.2 mm, number of positions: 5, color: red

Plug-in bridge - FBSR 10-5 - 3033710



Plug-in bridge, pitch: 5.2 mm, number of positions: 10, color: red



#### Accessories

Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: blue

Plug-in bridge - FBS 3-5 BU - 3036880



Plug-in bridge, pitch: 5.2 mm, number of positions: 3, color: blue

Plug-in bridge - FBS 4-5 BU - 3036893



Plug-in bridge, pitch: 5.2 mm, number of positions: 4, color: blue

Plug-in bridge - FBS 5-5 BU - 3036903



Plug-in bridge, pitch: 5.2 mm, number of positions: 5, color: blue

Plug-in bridge - FBS 10-5 BU - 3036916



Plug-in bridge, pitch: 5.2 mm, number of positions: 10, color: blue



#### Accessories

Plug-in bridge - FBS 20-5 BU - 3036929



Plug-in bridge, pitch: 5.2 mm, number of positions: 20, color: blue

Plug-in bridge - FBS 50-5 BU - 3032114



Plug-in bridge, pitch: 5.2 mm, number of positions: 50, color: blue

#### Labeled terminal marker

Zack Marker strip, flat - ZBF 5 CUS - 0825025



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10



#### Accessories

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

#### Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

#### Marker for terminal blocks - UC-TMF 5 CUS - 0824638



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

#### Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

#### Neutral conductor rail

Neutral busbar - NLS-CU 3/10 SN 1000MM - 0402174



Neutral busbar, width: 10 mm, height: 3 mm, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, length: 1000 mm, color: silver

#### Partition plate



#### Accessories

Partition plate - ATP-PTI/3 - 3213990



Partition plate, length: 103 mm, width: 2.2 mm, height: 49.3 mm, color: gray

Spacer plate - DP PS-5 - 3036725



Spacer plate, length: 22.4 mm, width: 5.2 mm, height: 29 mm, number of positions: 1, color: red

#### Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



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

#### Software - CLIP-PROJECT PROFESSIONAL - 5146053



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

#### Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip



#### Accessories

Actuation tool - ST-BW - 1207608



Actuation tool, for all 2.5 mm<sup>2</sup> - 4.0 mm<sup>2</sup> spring-cages

#### Support

Support bracket - AB-PTI/3 - 3213974



Support bracket, Bracket for busbars, set every 20 cm, pitch: 200 mm, length: 103 mm, width: 2 mm, height: 46 mm, number of positions: 1, color: blue

#### Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TMF 5 - 0818153



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 flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

Marker for terminal blocks - UCT-TMF 5 - 0828744



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 flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

Test plug terminal block



#### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

Test plugs - PS-5 - 3030983



Test plugs, Modular test plug, color: red

Test plugs - PS-5/2,3MM RD - 3038723



Test plugs, color: red

#### Test socket

Test adapter - PAI-4-N GY - 3032871



4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

#### Warning label printed

Warning label - WS PT 2,5 - 1029026



Warning label, yellow/black, labeled: Lightning flash, mounting type: plug in, for terminal block width: 5.2 mm



### Accessories

Warning label - WS-DIO PT 2,5 - 1029037



Warning label, yellow/black, labeled: Diode, mounting type: plug in, for terminal block width: 5.2 mm

Phoenix Contact 2020 © - all rights reserved http://www.phoenixcontact.com