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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Distribution block, Block with horizontal alignment and integrated supply, nom. voltage: 500 V, nominal current: 24 A, connection method: Push-in connection, Push-in connection, number of connections: 19, cross section:0.14 mm² - 4 mm², AWG: 26 - 12, width: 56 mm, height: 30 mm, color: black, mounting type: NS 15

Why buy this product

- Time savings of up to 80%, thanks to ready-to-mount blocks without manual bridging
- Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Clear wiring, thanks to eleven different color variants
- Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- Space savings of up to 50% on the DIN rail, thanks to transverse mounting



Key Commercial Data

Packing unit	8 STK
Minimum order quantity	8 STK
GTIN	4 055626 394084
GTIN	4055626394084

Technical data

General

Note	Notes on operation The blocks can be bridged with one another via the conductor shaft. For corresponding plug-in bridges, see accessories	
Number of levels	1	
Number of connections	19	
Potentials	1	
Nominal cross section	2.5 mm ²	
Nominal cross section feed-in	6 mm²	
Color	black	
Insulating material	PA	
Flammability rating according to UL 94	V0	
Rated surge voltage	6 kV	



Technical data

General

Degree of pollution 3 Overvottage category III Insulating material group I Maximum power dissipation for nominal condition 13 W (the value is based on one connection block and is multiplied according to the pin assignment) Maximum load current 24 A Nominal current Is, 500 V Maximum load current 57 A (with 10 mm² conductor cross section) Nominal voltage Un, 500 V Open side panel No Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test selpoint guaranteed Result of surge voltage test selpoint 9.8 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Power frequency withstand voltage setpoint 1.89 kV Result of beet for mechanical stability of terminal points (5 x conductor connection) Test passed Bending test rotation speed 10 rpm Bending test rotation speed 10 rpm Bending test conductor cross section/weight 0.5 mm² / 0.7 kg Bending test conductor cross section tensile			
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2.5 mm² / 0.7 kg 4 mm² / 0.9 kg Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Conductor cross section tensile test 10 mm² Tractive force setpoint 90 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint 5 N		10 mm² / 2 kg	
Tensile test result Test passed Conductor cross section tensile test 0.5 mm² Tractive force setpoint 20 N Conductor cross section tensile test 6 mm² Tractive force setpoint 80 N Conductor cross section tensile test 10 mm² Tractive force setpoint 90 N Result of tight fit on support Tight fit on carrier NS 35 Setpoint 5 N		0.14 mm² / 0.2 kg	
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Result of tight fit on support Test passed Tight fit on carrier NS 35 Setpoint 5 N	Conductor cross section tensile test	10 mm²	
Tight fit on carrier NS 35 Setpoint 5 N	Tractive force setpoint	90 N	
Setpoint 5 N	Result of tight fit on support	Test passed	
·	Tight fit on carrier	NS 35	
Result of voltage-drop test Test passed	Setpoint	5 N	
	Result of voltage-drop test	Test passed	



Technical data

General

Test passed	Requirements, voltage drop	≤ 1.6 mV	
Conductor cross section short circuit testing 6 mm² Short-time current 0.72 kA Conductor cross section short circuit testing 10 mm² Short-time current 1.2 kA Result of thermal test 7 set 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 Service life test category 2, bogie-mounted 1set specification, oscillation, broadband noise Test specification oscillation, broadband noise Service life test category 2, bogie-mounted Test specification oscillation, broadband noise Service life test category 2, bogie-mounted Test specification oscillation, broadband noise 6.12 (m/s²)²/Hz ASD level 6.12 (m/s²)²/Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X, Y- and Z-axis Shock form Half-sine Acceleration 30g Shock furation	Result of temperature-rise test	Test passed	
Short-time current 0.72 kA Conductor cross section short circuit testing 10 mm² Short-time current 1.2 kA Short-time current 1.2 kA Result of themal 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 specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification, socillation, broadband noise 6.12 (m/s²)²/Hz ASD level 6.12 (m/s²)²/Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test directions X, Y and Z-axis Test directions X, Y and Z-axis Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30 Shock dormation 18 ms Number of shocks	Short circuit stability result	Test passed	
Conductor cross section short circuit testing 10 mm² Short-line current 1.2 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 Statistic passed 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, oscillation, broadband noise 6.12 (m/s²)²Hz ASD level 6.12 (m/s²)²Hz Acceleration 3.12 g Test directions X., Y- and Z-axis Shock servell Test passed Test directions X., Y- and Z-axis Shock servell Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock duration 18 ms Number of shocks per direction 3 Realize insulation material temperature index (Elec., UL 746 B)	Conductor cross section short circuit testing	6 mm²	
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Result of thermal test Ageing test for screwless modular terminal block temperature cycles 192 Proof of thermal characteristics (needle flame) effective duration 30 s 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 specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification, oscillation, broadband noise Test frequency If, = 5 Hz to f, = 250 Hz Service life test category 2, bogie-mounted If, = 5 Hz to f, = 250 Hz Test frequency If, = 5 Hz to f, = 250 Hz Test frequency If, = 5 Hz to f, = 250 Hz Test duration per axis Test duration per axis Test duration per axis Test duration per axis Test specification, shock test Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Test specification shock set Test specification Test specification Test specification Test specification Test specification Test direction Test specification Test direction Test di	Conductor cross section short circuit testing	10 mm²	
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 specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification, oscillation, broadband noise Service life test category 2, bogie-mounted Test specification, socillation, broadband noise 6.12 (m/s²)²/Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X., Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X., Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C	Short-time current	1.2 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 spectrum Service life test category 2, bogie-mounted Test frequency f; = 5 Hz to f; = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5h Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock form Half-sine Acceleration 30g 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 030-2) 130 °C Static insulating material application in cold -60 °C Behav	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 spectrum Service life test category 2, bogie-mounted Test frequency f ₁ = 5 Hz lo f ₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X., Y. and Z-axis Shock test result Test passed Discover fifeation, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X., Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Fiame test method (DIN EN 60695-11-10) V0 <	Ageing test for screwless modular terminal block temperature cycles	192	
Oscillation, broadband noise test result Test spassed 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 2, bogie-mounted Test frequency f. = 5 Hz to f.e = 250 Hz ASD level 6.12 (m/s³²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X., Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3. Test directions X., Y- and Z-axis (pos. and neg.) Test directions X., Y- and Z-axis (pos. and neg.) Test passed Temperature index of insulation material temperature index (Elec., UL 746 B) 30° C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130° C Static insulating material application in cold -60° C <th< td=""><td>Proof of thermal characteristics (needle flame) effective duration</td><td>30 s</td></th<>	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 2, bogie-mounted Test frequency f₁ = 5 Hz to f₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test duration sper axis 7 h Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Mumber 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)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 6095-11-10) V0 Oxygen index (DIN EN 160 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 Surface	Result of aging test	Test passed	
Test spectrum Service life test category 2, bogie-mounted Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s²²²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 030-2) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) VO Oxygen index (DIN EN 1SO 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NF	Oscillation, broadband noise test result	Test passed	
Test frequency f, = 5 Hz to fz = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C 1004-21) 30g °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN 160 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (ASTM E 1354) 28 MJ/kg	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03	
ASD level 6.12 (m/s³²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 33 Test directions X-, Y- and Z-axis Number of shocks per direction 35 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 400 Corp. Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN 180 4589-2) 32 % Surface flammability NFPA 130 (ASTM E 162) passed Smoke gas toxicity NFPA 130 (ASTM E 162) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg	Test spectrum	Service life test category 2, bogie-mounted	
Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 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 Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN ISO 4589-2) >32 % NF F16-101, NF F10-102 Class F 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (ASTM E 1354) 28 MJ/kg	Test frequency	f ₁ = 5 Hz to f ₂ = 250 Hz	
Test duration per axis Test directions X-, Y- and Z-axis Shock test result Test spassed Test spassed DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 test directions 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 Behavior in fire for rail vehicles (DIN 5510-2) Flame test method (DIN EN 60895-11-10) Oxygen index (DIN EN 180 4589-2) NF F16-101, NF F10-102 Class I Surface flammability NFPA 130 (ASTM E 162) Spassed Smoke gas toxicity NFPA 130 (ASTM E 1634) East of insulation passed Calorimetric heat release NFPA 130 (ASTM E 1554) 28 MJ/kg Shock dest results Test passed Test passed Sendic quality of smoke NFPA 130 (ASTM E 1554) 28 MJ/kg	ASD level	6.12 (m/s ²) ² /Hz	
Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN ISO 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (ASTM E 1354) 28 MJ/kg	Acceleration	3.12 g	
Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN ISO 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 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	Test duration per axis	5 h	
Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN ISO 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 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	Test directions	X-, Y- and Z-axis	
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Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN 60695-11-10) V0 Oxygen index (DIN EN 100 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg	Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03	
Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static insulating material application in cold -60 °C Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN ISO 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 NF F16-101, NF F10-102 Class F 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (ASTM E 1354) 28 MJ/kg	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) Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold Eehavior in fire for rail vehicles (DIN 5510-2) Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I NF F16-101, NF F10-102 Class F 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) Sa OC Sa OC Rehavior in fire for rail vehicles (DIN 5510-2) Test passed 2 2 4 5 5 5 6 6 7 7 8 7 8 7 8 8 8 8 8 8 8	Acceleration	30g	
Test directions 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 60°C Behavior in fire for rail vehicles (DIN 5510-2) Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I 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) Z-, Y- and Z-axis (pos. and neg.) 130°C 130°C 130°C 120°C	Shock duration	18 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 Sehavior in fire for rail vehicles (DIN 5510-2) Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I 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) 130 °C 1	Number of shocks per direction	3	
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) Static insulating material application in cold Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I 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) 130 °C 140	Test directions	X-, Y- and Z-axis (pos. and neg.)	
Static insulating material application in cold Behavior in fire for rail vehicles (DIN 5510-2) Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I NF F16-101, NF F10-102 Class F 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) Passed -60 °C Test passed 70 V0 20 22 42 42 42 42 43 44 44 44 45 46 46 46 46 46 46	Relative insulation material temperature index (Elec., UL 746 B)	130 °C	
Behavior in fire for rail vehicles (DIN 5510-2) Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I NF F16-101, NF F10-102 Class F 2 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) Test passed 2 Test passed Passed Passed 2 Calorimetric heat release NFPA 130 (ASTM E 1354) Test passed Passed 2 Authoritic passed 2 Calorimetric heat release NFPA 130 (ASTM E 1354)		130 °C	
Flame test method (DIN EN 60695-11-10) Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I NF F16-101, NF F10-102 Class F 2 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) V0 32 % Passed passed passed Calorimetric heat release NFPA 130 (ASTM E 1354) V0 Passed 2 Smoke MFPA 130 (ASTM E 1354) V1 V2 V3 V3 V4 V5 V6 V6 V7 V7 V7 V7 V7 V7 V7 V7	Static insulating material application in cold	-60 °C	
Oxygen index (DIN EN ISO 4589-2) NF F16-101, NF F10-102 Class I NF F16-101, NF F10-102 Class F 2 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) >32 % 2 Calorimetric heat release NFPA 130 (ASTM E 162) 2 Smoke gas toxicity NFPA 130 (SMP 800C) 28 MJ/kg	Behavior in fire for rail vehicles (DIN 5510-2)	Test passed	
NF F16-101, NF F10-102 Class I NF F16-101, NF F10-102 Class F 2 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) 2 2 2 2 2 2 2 2 2 2 2 2 2	Flame test method (DIN EN 60695-11-10)	V0	
NF F16-101, NF F10-102 Class F 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg	Oxygen index (DIN EN ISO 4589-2)	>32 %	
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) 28 MJ/kg	NF F16-101, NF F10-102 Class I	2	
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) 28 MJ/kg	NF F16-101, NF F10-102 Class F	2	
Smoke gas toxicity NFPA 130 (SMP 800C) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg	Surface flammability NFPA 130 (ASTM E 162)	passed	
Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg	Specific optical density of smoke NFPA 130 (ASTM E 662)	passed	
	Smoke gas toxicity NFPA 130 (SMP 800C)	passed	
Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3	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) R23	HL 1 - HL 3	



Technical data

General

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	56 mm
Length	28.2 mm
Height	30 mm
Height NS 15	33 mm

Connection data

Feed-in connection	Feed-in stage	
Connection method	Push-in connection	
Connection in acc. with standard	IEC 60947-7-1	
Conductor cross section solid min.	0.14 mm ²	
Conductor cross section solid max.	4 mm ²	
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.	2.5 mm ²	
Min. AWG conductor cross section, flexible	26	
Max. AWG conductor cross section, flexible	14	
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	
Stripping length	8 mm 10 mm	
Internal cylindrical gage	A3	
Connection method	Push-in connection	
Connection in acc. with standard	IEC 60947-7-1	
Conductor cross section solid min.	0.5 mm ²	
Conductor cross section solid max.	10 mm ²	
Conductor cross section AWG min.	20	
Conductor cross section AWG max.	8	
Conductor cross section flexible min.	0.5 mm²	
Conductor cross section flexible max.	6 mm²	
Min. AWG conductor cross section, flexible	20	
Max. AWG conductor cross section, flexible	10	
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²	
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²	
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²	
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²	
	•	



Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Stripping length	10 mm 12 mm

Standards and Regulations

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

Environmental Product Compliance

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

Drawings

Circuit diagram



Approvals

Approvals

Approvals

CSA / DNV GL

Ex Approvals

Approval details

CSA	(P	http://www.csagroup.org/services-industries/product-listing/ 13631		ot-listing/ 13631
	D		В	С
Nominal voltage UN	600 V		300 V	300 V
Nominal current IN	5 A		50 A	50 A



Approvals

	D	В	С
mm²/AWG/kcmil	20-8	20-8	20-8

DNV GL	http://exchange.dnv.com/tari/	TAE00002TT
Nominal voltage UN	500 V	
Nominal current IN	24 A	

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