

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









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)



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: 7, cross section:0.14 mm² - 4 mm², AWG: 26 - 12, width: 25.2 mm, height: 30 mm, color: black/yellow, mounting type: NS 15

The figure shows the version in gray

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	10 STK
Minimum order quantity	10 STK
GTIN	4 055626 393889
GTIN	4055626393889

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	7
Potentials	1
Nominal cross section	2.5 mm²
Nominal cross section feed-in	6 mm²
Color	black/yellow
Insulating material	PA



Technical data

General

Flammability rating according to UL 94	V0	
Rated surge voltage	6 kV	
Degree of pollution	3	
Overvoltage category	III	
Insulating material group	I	
Maximum power dissipation for nominal condition	1.31 W (the value is based on one connection block and is multiplied according to the pin assignment)	
Maximum load current	24 A	
Nominal current I _N	24 A	
Nominal voltage U _N	500 V	
Maximum load current	57 A (with 10 mm² conductor cross section)	
Nominal current I _N	41 A (with 6 mm² conductor cross section)	
Nominal voltage U _N	500 V	
Open side panel	No	
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11	
Back of the hand protection	guaranteed	
Finger protection	guaranteed	
Result of surge voltage test	Test passed	
Surge voltage test setpoint	9.8 kV	
Result of power-frequency withstand voltage test	Test passed	
Power frequency withstand voltage setpoint	1.89 kV	
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed	
Result of bending test	Test passed	
Bending test rotation speed	10 rpm	
Bending test turns	135	
Bending test conductor cross section/weight	0.5 mm² / 0.3 kg	
	6 mm ² / 1.4 kg	
	10 mm² / 2 kg	
	0.14 mm² / 0.2 kg	
	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	Test passed	
Tight fit on carrier	NS 35	



Technical data

General

Result of voltage-drop test Requirements, voltage drop 4.1.6 mV Requirements, voltage drop 4.1.6 mV Result of temperature-rise test Short circuit stability result Test passed 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 Ageing test for screwless modular terminal block temperature cycles 192 Proof of thermal characteristics (needle flame) effective duration 30 s Result of aging test Conduction, oscillation, broadband noise test result Test spassed Test spassed Test spassed Test spacetrum Service life test category 2, bogie-mounted Test frequency f, 1 s S tz to f, 2 50 Hz ASD lovel 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis Shock test result Test passed Test specification, shock test DIN EN S0155 (VDE 0115-200):2008-03 Shock test result Test directions X, Y- and Z-axis Shock test result Test passed DIN EN S0155 (VDE 0115-200):2008-03 Shock test result Test directions Shock test result Test passed DIN EN S0155 (VDE 0115-200):2008-03 Shock duration Half-sine Acceleration 30 g Shock duration Half-sine Acceleration 30 g Shock duration material temperature index (Elec., UL 746 B) 10 °C Behavior in fire for rail vehicles (DIN S510-2) Test direction Fersional spillation material temperature index (Elec., UL 746 B) Temperature index of insulation material temperature index (Elec., UL 746 B) Temperature index of insulation material temperature index (Elec., UL 746 B) Temperature infex of insulation material temperature index (Elec., UL 746 B) Temperature infex of insulation material temperature index (Elec., UL 746 B) Static insulation material application in cold Behavior in fire for rail vehicles (DIN S510-2) Temperature infex of insulation material (DIN EN 6002 Hs-10) V0 Oxygen index (DIN EN 6004 S59-2) NF 16-101, NF 170-102 Class F Surface filammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 682) Passed Smoke gas tox	Setpoint	5 N	
Result of temperature-rise test	Result of voltage-drop test	Test passed	
Short circuit stability result Conductor cross section short circuit testing 8 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 Ageing test for screwless modular terminal block temperature cycles 192 Proof of thermal characteristics (needle flame) effective duration 30 s Result of aging test Oscillation, broadband noise test result Test passed Test passed 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 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 directions Shock lest result Test faceuony Test faceuony Test duration per axis Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Half-sine Acceleration Sinock form Half-sine Acceleration Sinock form Half-sine Acceleration Test directions Test di	Requirements, voltage drop	≤ 1.6 mV	
Conductor cross section short circuit testing 6 mm²	Result of temperature-rise test	Test passed	
Short-time current	Short circuit stability result	Test passed	
Conductor cross section short circuit testing 10 mm²	Conductor cross section short circuit testing	6 mm²	
Short-time current 1.2 kA	Short-time current	0.72 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 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 6:12 (m/s²)²/Hz ASD level 6:12 (m/s²)²/Hz <td>Conductor cross section short circuit testing</td> <td>10 mm²</td>	Conductor cross section short circuit testing	10 mm²	
Ageing test for screwless modular terminal block temperature cycles Proof of thermal characteristics (needle flame) effective duration 30 s Result of aging test Test passed Oscillation, broadband noise test result Test spassed DIN EN 50155 (VDE 0115-200):2008-03 Test spectrum Service life test category 2, bogie-mounted Test frequency I ₁ = 5 Hz to I ₂ = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration Test directions X-, Y- and Z-axis Shock test result Test passed DIN EN 50155 (VDE 0115-200):2008-03 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 30 g 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) Test passed Test passed Test specification in rold Felative insulation material application in code Behavior in fire for rall vehicles (DIN 5510-2) Flame test method (DIN EN 60695-11-10) Test passed Test pas	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 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 5.12 (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 Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 130 °C Static ins	Result of thermal test	Test passed	
Result of aging test	Ageing test for screwless modular terminal block temperature cycles	192	
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 ft, = 5 Hz to ft, = 250 Hz ASD level 6.12 (m/s²)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test duration per axis 5 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 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 504589-2) >32 %	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 f ₁ = 5 Hz to 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 specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Half-sine Acceleration 30g Shock duration Half-sine Acceleration 30g Shock duration 18 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) 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 60695-11-10) Vo Oxygen index (DIN EN 1SO 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) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C)	Result of aging test	Test passed	
Test spectrum $Service life test category 2, bogie-mounted f_1 = 5 \text{ Hz} \text{ to } f_2 = 250 \text{ Hz} ASD level 6.12 (\text{m/s}^2)^2/\text{Hz} Acceleration 3.12 g Test duration per axis 5 h Test directions X_1 = 3 h Test directions X_2 = 3 h Test passed X_3 = 3 h Tes$	Oscillation, broadband noise test result	Test passed	
Test frequency f ₁ = 5 Hz to f ₂ = 250 Hz ASD level 6.12 (m/s³)²/Hz Acceleration 3.12 g Test duration per axis 5 h Test directions X-, Y- and Z-axis Shock test result Test passed Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30g Shock duration 18 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Relative insulation material temperature index (Elec., UL 746 B) 130 °C Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) 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 150 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	Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03	
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 spassed 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)) 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 Smoke gas toxicity NFPA 130 (SMP 800C) passed Smoke gas toxicity NFPA 130 (SMP 800C)	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 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 Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN 150 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 Surface flammability NFPA 130 (ASTM E 162) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed Smoke gas toxicity NFPA 130 (SMP 800C)	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 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 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 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) PIN EN 50155 (VDE 0115-200):2008-03 Ax., Y- and Z-axis (pos. and neg.) 18 ms 19 0° C 130 ° C 24 Specific optical density of smoke NFPA 130 (ASTM E 662) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C)	ASD level	6.12 (m/s²)²/Hz	
Test directions	Acceleration	3.12 g	
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 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 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) Page 130 SQ DIN EN 5015 (VDE 0115-200):2008-03 Test passed Test passed Test passed Test passed Test passed Passed Passed Specific optical density of smoke NFPA 130 (ASTM E 662) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C)	Test duration per axis	5 h	
DIN EN 50155 (VDE 0115-200):2008-03	Test directions	X-, Y- and Z-axis	
Shock form 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 Sehavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 6095-11-10) Vo Oxygen index (DIN EN 1SO 4589-2) NF F16-101, NF F10-102 Class I VF 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) passed Smoke gas toxicity NFPA 130 (SMP 800C)	Shock test result	Test passed	
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 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	Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03	
Shock duration 18 ms Number of shocks per direction 2	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 Genometric 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) A30 °C 130 °C 130 °C 130 °C 130 °C 130 °C 120 °C 130 °C 130 °C 130 °C 130 °C 130 °C 130 °C 240 °C 140 °	Acceleration	30g	
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 (SMP 800C) passed	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 General Plane 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) 130 °C 130 °C 130 °C 130 °C Test passed You 130 °C 130	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 Behavior in fire for rail vehicles (DIN 5510-2) Test passed Flame test method (DIN EN 60695-11-10) V0 Oxygen index (DIN EN ISO 4589-2) >32 % NF F16-101, NF F10-102 Class I 2 NF F16-101, NF F10-102 Class F 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed	Test directions	X-, Y- and Z-axis (pos. and neg.)	
Static insulating material application in cold Static insulating material application in cold Geo °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 Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C)	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 Surface flammability NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C) Test passed 2 Description passed Test passed Passed Passed Passed Test passed Passed Passed Passed Test passed Passed Passed		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 2 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) Passed	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) passed	Behavior in fire for rail vehicles (DIN 5510-2)	Test passed	
NF F16-101, NF F10-102 Class I 2 NF F16-101, NF F10-102 Class F 2 Surface flammability NFPA 130 (ASTM E 162) passed Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed	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	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) passed passed	NF F16-101, NF F10-102 Class I	2	
Specific optical density of smoke NFPA 130 (ASTM E 662) passed Smoke gas toxicity NFPA 130 (SMP 800C) passed	NF F16-101, NF F10-102 Class F	2	
Smoke gas toxicity NFPA 130 (SMP 800C) passed	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 1354) 28 MJ/kg	Smoke gas toxicity NFPA 130 (SMP 800C)	passed	
	Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg	



Technical data

General

Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	25.2 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 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.	2.5 mm²
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 mm ²
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



Technical data

Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
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	http://www.csagroup.org/services-industries/product-listing/ 1363		ct-listing/ 13631
	D	В	С
Nominal voltage UN	600 V	300 V	300 V



Approvals

	D	В	С
Nominal current IN	5 A	50 A	50 A
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	

Phoenix Contact 2018 © - all rights reserved http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG Flachsmarktstr. 8 32825 Blomberg Germany

Tel. +49 5235 300 Fax +49 5235 3 41200

http://www.phoenixcontact.com