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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: 13, cross section:0.14 mm² - 4 mm², AWG: 26 - 12, width: 40.6 mm, height: 30 mm, color: yellow, 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 |
|--------------|-----------------|
| GTIN | 4 055626 393926 |
| GTIN | 4055626393926 |

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 | 13 |
| Potentials | 1 |
| Nominal cross section | 2.5 mm ² |
| Nominal cross section feed-in | 6 mm² |
| Color | yellow |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |



Technical data

General

| 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 | |
| Setpoint | 5 N | |
| Result of voltage-drop test | Test passed | |
| Requirements, voltage drop | ≤ 1.6 mV | |



Technical data

General

| Short circuit stability result Conductor cross section short circuit testing Short-time current Conductor cross section short circuit testing 10 mm² Short-time 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 Result of gaing test Test passed Occiliation, broadband noise test result Test passed Cosciliation, broadband noise test result Test specification, osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification, osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification, osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification, osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test specification osciliation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 Test duration per axis Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock lest result Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock duration Acceleration 30 3 Test direction 30 4 Temperature index of insulation material (DIN EN 60216-1 (VDE 004-21)) Temperature index of insulation material perpeature index (Elec., UL 746 B) Temperature index of insulation material perpeature index (Elec., UL 746 B) Temperature index of insulation material perpeature index (Elec., UL 746 B) Temperature index of insulation material (DIN EN 60216-1 (VDE 004-21)) Test passed Test passed Test specification for for for rail vehicles (DIN EN 60216-1 (VDE 004-21)) Test passed Test protection for rail vehicles (DIN EN 60216-2) Test passed Test passed Test passed Test pas | Result of temperature-rise test | Test passed |
|--|---|--|
| Short-lime current 0.72 kA Conductor cross section short circuit testing 10 mm² Short-lime 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 fiame) effective duration 30 s Result of alignig test 10 modular terminal block temperature cycles 192 Proof of thermal characteristics (needle fiame) effective duration 30 s Result of aging test 10 modular terminal block temperature cycles 192 Proof of thermal characteristics (needle fiame) effective duration 30 s Result of aging test 10 modular terminal block temperature cycles 192 Proof of thermal characteristics (needle fiame) effective duration 30 s Result of aging test 10 modular terminal block temperature cycles 192 Proof of thermal characteristics (needle fiame) effective duration 20 s Result of aging test 10 modular 192 Test passed 10 mc No 155 (VDE 0115-200):2008-03 Proof of thermal characteristics (needle fiame) effective duration 10 mc No 155 (VDE 0115-200):2008-03 Proof of action 10 mc No 155 (VDE 0115-200):2008-03 Proof of action 10 mc No 155 (VDE 0115-200):2008-03 Proof of shock test result 10 mc No 155 (VDE 0115-200):2008-03 Proof of shock per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shock per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE 0115-200):2008-03 Proof of shocks per direction 10 mc No 155 (VDE | Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | Conductor cross section short circuit testing | 6 mm ² |
| Short-time current Result of thermal test Ageing test for screwless modular terminal block temperature cycles 192 Proof of thermal characteristics (needle flame) effective duration 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 to f ₂ = 250 Hz ASD level ASD level ASD level Asceleration 3 12 g Test durection per axis Test durection s X-, Y- and Z-axis Shock test result Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 The 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 g 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.) Relative insulation material application in cold 60 °C Behavior in fire for rail vehicles (DIN ES10-2) Static insulating material application in cold Behavior in fire for rail vehicles (DIN ES10-2) Static insulating material application in cold Behavior in fire for rail vehicles (DIN ES10-2) Static insulation sylva fire for all vehicles (DIN ES10-2) Static insulation sylva fire for all vehicles (DIN ES10-2) Static insulation with NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 162) Specific optical density of smoke NFPA 130 (ASTM E 163-4) Fire protection for rail vehicles (DIN EN 1545-52) R23 HL 1 - HL 3 Fire protection for rail vehicles (DIN EN 1545-52) R23 HL 1 - HL 3 | Short-time current | 0.72 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 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 specification, oscillation, broadband noise Test frequency fi = 5 Hz to fs = 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 Test specification, shock test DIN EN 50155 (VDE 0115-200):2008-03 Shock form Half-sine Acceleration 30 g Shock form Half-sine Acceleration 30 g Shock per direction 3 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 directions X-, Y- and Z-axis (pos. and neg.) Test directions Test | 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 Result of aging test 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 Test frequency In 5 Hz to 5; = 250 Hz Ascoleration 3.12 g Test duration per axis Should be served to the | Short-time current | 1.2 kA |
| Proof of thermal characteristics (needle flame) effective duration 30 s | Result of thermal test | Test passed |
| Result of aging test | Ageing test for screwless modular terminal block temperature cycles | 192 |
| Descilation, broadband noise test result | Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03 | Result of aging test | Test passed |
| 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 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 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 180 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 (ASTM E 1354) 28 MJ/ | Oscillation, broadband noise test result | Test passed |
| Test frequency | 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 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 (ASTM E 162) passed Smoke gas toxicity NFPA 130 (ASTM E 162) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg Fire protection for rail vehicles (DIN EN 454545-2) R23 HL 1 - HL 3 Fire protection for rail vehicles (DIN EN 454545-2) R23 HL 1 - HL 3 | 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)) 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 Fire protectio | 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 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) 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 | ASD level | 6.12 (m/s²)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 12 remperature 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 (SMP 800C) passed Calorimetric heat release NFPA 130 (ASTM E 1354) 28 MJ/kg Fire protection for rail vehicles (DIN EN 45545-2) R22 HL 1 - HL 3 Fire protection for rail | Acceleration | 3.12 g |
| Shock test result Test passed | Test duration per axis | 5 h |
| Test specification, shock test | Test directions | X-, Y- and Z-axis |
| Shock form Acceleration Slock duration Acceleration Shock duration Shock sper direction Slock duration Static 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) Fame test method (DIN EN 60695-11-10) Toxygen index (DIN EN 180 4589-2) Syerification, 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 (ASTM E 1354) Fire protection for rail vehicles (DIN EN 45545-2) R23 Fire protection for rail | 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)) 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) 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 | Test specification, shock test | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock duration 18 ms Number of shocks per direction 3 Test directions 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 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) 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 | 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 -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 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) 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 | 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)) Static insulating material application in cold Ehavior 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) 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 | 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 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 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) Calorimetric heat release NFPA 130 (ASTM E 1354) 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 | 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 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 | 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 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) R23 HL 1 - HL 3 | 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 V 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) R23 HL 1 - HL 3 | | 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) 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 | 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) 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 | 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) 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 | Flame test method (DIN EN 60695-11-10) | V0 |
| 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) 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 | 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) 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 | 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) 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 | NF F16-101, NF F10-102 Class F | 2 |
| 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 | Surface flammability NFPA 130 (ASTM E 162) | passed |
| 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 | 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 | Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 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) R24 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 |



Technical data

General

| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |
|--|-------------|
| Dimensions | |
| Width | 40.6 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 mm² |
| 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 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |



Technical data

Connection data

| 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.cs | http://www.csagroup.org/services-industries/product-listing/ | |
|--------------------|---------------|--|-------|
| | D | В | С |
| Nominal voltage UN | 600 V | 300 V | 300 V |
| Nominal current IN | 5 A | 50 A | 50 A |
| mm²/AWG/kcmil | 20-8 | 20-8 | 20-8 |



Approvals

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

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