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Feed-through terminal block, connection method: screw connection, cross section: 1 mm² - 35 mm², 18 - 2 AWG, color: white, mounting type: NS 32, insulation material: ceramic

Your advantages

- Mounting on NS 32 G DIN rail



Key Commercial Data

| Packing unit | 1 pc |
|--------------------------------------|-----------------|
| Minimum order quantity | 10 pc |
| GTIN | 4 017918 002596 |
| GTIN | 4017918002596 |
| Weight per Piece (excluding packing) | 98.620 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

General

| Number of levels | 1 |
|-----------------------|--------------------|
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 35 mm ² |
| Color | ivory |

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Technical data

General

| Insulating material PA | | |
|--|--|--|
| Flammability rating according to UL 94 VO Maximul load current 125 A (with 35 mm² conductor cross section) Rated surge voltage 8 kV Degree of pollution 3 Overvoltage category III Insulating material group I Maximum power dissipation for nominal condition 4.06 W Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I _k 101 A (with 25 mm² conductor cross section) Nominal voltage U _k 800 V Open side panel Yes Shock protection test specification 9 IN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection 9 puranteed Result of power-frequency withstand voltage sets Test passed Result of power-frequency withstand voltage setpoint 2 kV Result of bending test Test passed Bending test troation speed 10 (**-2") prm Benuit of thight fit on support Test passed | Insulating material | PA |
| Maximum load current 125 A (with 35 mm² conductor cross section) Rated surge voltage 8 kV Degree of pollution 3 Oxevoltage category III Insulating material group I Maximum power dissipation for nominal condition 4.06 W Maximum load current 101 A (with 25 mm² conductor cross section) Nominal untert 101 A (with 25 mm² conductor cross section) Nominal voltage U ₁ 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage sets Test passed Result of bending test for mechanical stability of terminal points (5 x conductor connection) Test passed Result of bending test Test passed Result of bending test furms 10 (*/- 2) rpm Bending test rotation speed 10 (*/- 2) rpm Bending test rotation speed 10 (*/- 2) rpm Bending test turns 135 Test passed Result of foot ar | Material | Ceramics |
| Rated surge voltage 8 kV Degree of pollution 3 Overvoltage category III Insulating material group I Maximum power dissipation for nominal condition 4.06 W Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I _k 101 A (with 25 mm² conductor cross section) Nominal voltage U _N 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Result of power-frequency withstand voltage setpoint 2 kV Result of the test for mechanical stability 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 Bending test rotation speed 10 (+/- 2) rpm Bending test rotation speed 10 (+/- 2) rpm Bending test from support Test passed Test plassed Test passed Test plassed | Flammability rating according to UL 94 | V0 |
| Degree of pollution 3 Overvoltage category III Insulating material group I Maximum power dissipation for nominal condition 4.08 W Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I _N 101 A (with 25 mm² conductor cross section) Nominal voltage U _N 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of surge voltage test Test passed Result of the test for mechanical stability 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 Bending test rotation speed 10 (+/- 2) rpm Bending test rotation speed 10 (+/- 2) rpm Bending test rotation speed 10 (+/- 2) rpm Bending test rotation speed 10 (-/- 2) rpm Bending test rotation speed 10 (-/- 2) rpm Bending test rotation speed 10 (-/- 2) rpm | Maximum load current | 125 A (with 35 mm² conductor cross section) |
| Overvoltage category III Insulating material group I Maximum power dissipation for nominal condition 4.06 W Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I₂ 101 A (with 25 mm² conductor cross section) Nominal voltage U₂ 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of power-frequency withstand voltage test Test passed Result of power-frequency withstand voltage setpoint 2 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 (+/-2) rpm Bending test troation speed 10 (+/-2) rpm Bending test troation speed 10 (+/-2) rpm Result of tight fit on support Test passed Result of viltage-drop test Test passed Result of voltage-drop test Test passed Requirement, voltage drop U₁ s 3.2 mY; U₂ s1.5 x U₁ Result of tem | Rated surge voltage | 8 kV |
| Insulating material group I Maximum power dissipation for nominal condition 4.06 W Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I _N 101 A (with 25 mm² conductor cross section) Nominal current I _N 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Result of power-frequency withstand voltage setpoint 2 kV Result of the test for mechanical stability of terminal points (5 x conductor Test passed Result of bending test Test passed Bending test rotation speed 10 (+/-2) rpm Bending test turns 135 Tensile test result Test passed Result of light fit on support Test passed Result of light fit on support Test passed Repuirements, voltage drop U₁ < 3.2 mV; U₂ < 1.5 x U₁ | Degree of pollution | 3 |
| Maximum power dissipation for nominal condition 4.06 W Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I _N 101 A (with 25 mm² conductor cross section) Nominal voltage U _N 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 kV Result of the test for mechanical stability of terminal points (5 x conductor) Test passed Result of bending test Test passed Result of bending test to bending test to test passed 10 (+/-2) rpm Bending test touring 135 Tensile test result Test passed Result of tight fit on support Test passed Result of violage-drop test Test passed Result of voltage-drop test Test passed Requirements, voltage drop U₁ ≤ 3.2 mV; U₂ ≤ 1.5 x U₁ Result of temperature-rise test Increase in temperature ≤ 45 K | Overvoltage category | III |
| Maximum load current 125 A (with 35 mm² conductor cross section) Nominal current I_N 101 A (with 25 mm² conductor cross section) Nominal voltage U_N 800 V Open side panel Yes Shock protection test specification DIN En 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 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 (+/-2) rpm Bending test turns 135 Tensile test result Test passed Result of light fit on support Test passed Result of voltage-drop test Test passed Requirements, voltage drop U ₁ \leq 3.2 mV; U ₂ \leq 1.5 x U ₁ Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature \leq 45 K Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillatio | Insulating material group | I |
| Nominal current I_N 101 A (with 25 mm² conductor cross section) Nominal voltage U_N 800 V Open side panel Yes Shock protection test specification DiN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 kV 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 Test passed Bending test rotation speed 10 (+/-2) rpm Bending test turns 135 Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Test passed Requirements, voltage drop Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature \leq 45 K Proof of thermal characteristics (needle flame) effective duration 30 s Test spectrum Service life test category 2, bogie-mounted Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level 6.12 (m/s²)²/Hz | Maximum power dissipation for nominal condition | 4.06 W |
| Nominal voltage U _N 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Result of surge voltage test Test passed Result of power-frequency withstand voltage test Test passed Power frequency withstand voltage setpoint 2 kV Result of breather frequency withstand voltage setpoint 2 kV Result of bending test to frequency withstand voltage setpoint Test passed Result of breather frequency withstand voltage setpoint Test passed Result of breather frequency withstand voltage setpoint Test passed Bending test trotation speed 10 (+/-2) rpm Bending test trotation speed 135 Bending test truns 135 Tensile test result Test passed Result of tight fit on support Test passed Result of tight fit on support Test passed Result of voltage-drop test Test passed Requirements, voltage drop U₁ ≤ 3.2 mV; U₂ ≤ 1.5 x U₁ Result of temperature-rise test Test passed Proof of thermal characteri | Maximum load current | 125 A (with 35 mm² conductor cross section) |
| Open side panelYesShock protection test specificationDIN EN 50274 (VDE 0660-514):2002-11Back of the hand protectionguaranteedResult of surge voltage testTest passedResult of power-frequency withstand voltage testTest passedPower frequency withstand voltage setpoint $2 kV$ Result of the test for mechanical stability of terminal points ($5 \times conductor$) $7 est passed$ Result of bending testTest passedBending test rotation speed $10 (*i'-2) \text{ rpm}$ Bending test turns 135 Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint 10 N Result of voltage-drop testTest passedRequirements, voltage drop $1 \times 3 \times 10^4$, $1 \times 3 \times $ | Nominal current I _N | 101 A (with 25 mm² conductor cross section) |
| Shock protection test specificationDIN EN 50274 (VDE 0660-514):2002-11Back of the hand protectionguaranteedResult of surge voltage testTest passedResult of power-frequency withstand voltage setpoint2 kVResult of the test for mechanical stability of terminal points (5 x conductor connection)Test passedResult of bending testTest passedBending test rotation speed $10 (+/-2)$ rpmBending test turns 135 Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint $10 N$ Result of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$, $U_2 \le 1.5 \text{ x U}$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}}^3)^2/\text{Hz}$ | Nominal voltage U _N | 800 V |
| Back of the hand protectionguaranteedResult of surge voltage testTest passedResult of power-frequency withstand voltage testTest passedPower frequency withstand voltage setpoint 2 kV Result of the test for mechanical stability of terminal points ($5 \times \text{ conductor}$ connection)Test passedResult of bending testTest passedBending test rotation speed 10 (H-/ 2) rpm Bending test turns 135 Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint 10 N Result of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^3)^2/\text{Hz}$ | Open side panel | Yes |
| Result of surge voltage test Test passed Result of power-frequency withstand voltage sets to meer frequency withstand voltage setpoint 2 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 (H - I - I) rpm Bending test tresult 135 Result of tight fit on support Test passed Result of tight fit on support Test passed Setpoint 10 N Result of voltage-drop test Test passed Requirements, voltage drop U ₁ \leq 3.2 mV; U ₂ \leq 1.5 x U ₁ Result of temperature-rise test Test passed Requirement temperature-rise test Test passed Requirement temperature-rise test Increase in temperature \leq 45 K Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 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/s ²) ² /Hz | Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Result of power-frequency withstand voltage testTest passedPower frequency withstand voltage setpoint 2 kV Result of the test for mechanical stability of terminal points ($5 \times \text{conductor}$ connection)Test passedResult of bending testTest passedBending test rotation speed $10 \cdot (4/-2) \text{ rpm}$ Bending test turns 135 Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint 10 N Result of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}; U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test procure fit fequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Back of the hand protection | guaranteed |
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| Result of the test for mechanical stability of terminal points ($5 \times conductor$ connection)Test passedResult of bending testTest passedBending test rotation speed $10 (H-2) \text{ rpm}$ Bending test turns 135 Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint 10 N Result of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}; U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration 30 s Test spectrumDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Result of power-frequency withstand voltage test | Test passed |
| connection)Test passedResult of bending testTest passedBending test rotation speed $10 (+/-2) \text{ rpm}$ Bending test turns 135 Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint 10 N Result of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Power frequency withstand voltage setpoint | 2 kV |
| Bending test rotation speed $10 \ (+/-2) \ rpm$ Bending test turns135Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint $10 \ N$ Result of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \ mV$; $U_2 \le 1.5 \ x \ U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature ≤ 45 KProof of thermal characteristics (needle flame) effective duration30 sTest spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \ Hz \ to \ f_2 = 250 \ Hz$ ASD level $6.12 \ (m/s^2)^2/Hz$ | | Test passed |
| Bending test turns135Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint10 NResult of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature ≤ 45 KProof of thermal characteristics (needle flame) effective duration30 sTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Result of bending test | Test passed |
| Tensile test resultTest passedResult of tight fit on supportTest passedTight fit on carrierNS 32Setpoint10 NResult of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration30 sTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Bending test rotation speed | 10 (+/- 2) rpm |
| Result of tight fit on supportTest passedTight fit on carrierNS 32Setpoint10 NResult of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \text{ x } U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration30 sTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Bending test turns | 135 |
| Tight fit on carrierNS 32Setpoint10 NResult of voltage-drop testTest passedRequirements, voltage drop $U_1 \le 3.2 \text{ mV}$; $U_2 \le 1.5 \times U_1$ Result of temperature-rise testTest passedRequirement temperature-rise testIncrease in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration30 sTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Tensile test result | Test passed |
| Setpoint 10 N Result of voltage-drop test Test passed Requirements, voltage drop U ₁ \leq 3.2 mV; U ₂ \leq 1.5 x U ₁ Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature \leq 45 K Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 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/s ²) ² /Hz | Result of tight fit on support | Test passed |
| Result of voltage-drop test Requirements, voltage drop Result of temperature-rise test Requirement temperature-rise test Requirement temperature-rise test Requirement temperature-rise test Increase in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level 6.12 (m/s²)²/Hz | Tight fit on carrier | NS 32 |
| Requirements, voltage drop $U_1 \le 3.2 \text{ mV}; U_2 \le 1.5 \text{ x } U_1$ Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature $\le 45 \text{ K}$ Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Setpoint | 10 N |
| Result of temperature-rise test Test passed Requirement temperature-rise test Increase in temperature ≤ 45 K Proof of thermal characteristics (needle flame) effective duration 30 s Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 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/s²)²/Hz | Result of voltage-drop test | Test passed |
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| Proof of thermal characteristics (needle flame) effective duration30 sTest specification, oscillation, broadband noiseDIN EN 50155 (VDE 0115-200):2018-05Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Result of temperature-rise test | Test passed |
| Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2018-05 Test spectrum Service life test category 2, bogie-mounted Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Requirement temperature-rise test | Increase in temperature ≤ 45 K |
| Test spectrumService life test category 2, bogie-mountedTest frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Test frequency $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ ASD level $6.12 \text{ (m/s}^2)^2/\text{Hz}$ | Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2018-05 |
| ASD level 6.12 (m/s²)²/Hz | Test spectrum | Service life test category 2, bogie-mounted |
| | Test frequency | $f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$ |
| Acceleration 3.12 g | ASD level | 6.12 (m/s²)²/Hz |
| | Acceleration | 3.12 g |

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Technical data

General

| Test duration per axis | 5 h |
|--------------------------------|-----------------------------------|
| Test directions | X-, Y- and Z-axis |
| 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.) |

Dimensions

| Width | 15.3 mm |
|--------------|---------|
| Length | 53 mm |
| Height NS 32 | 67 mm |

Connection data

| Connection method | Screw connection |
|--|--------------------|
| Screw thread | M6 |
| Stripping length | 16 mm |
| Tightening torque, min | 3.2 Nm |
| Tightening torque max | 3.7 Nm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 1 mm² |
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 2 |
| Conductor cross section flexible min. | 1 mm² |
| Conductor cross section flexible max. | 25 mm ² |
| Min. AWG conductor cross section, flexible | 18 |
| Max. AWG conductor cross section, flexible | 3 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.75 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.75 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 16 mm² |
| 2 conductors with same cross section, solid min. | 0.75 mm² |
| 2 conductors with same cross section, solid max. | 10 mm² |
| 2 conductors with same cross section, stranded min. | 0.75 mm² |
| 2 conductors with same cross section, stranded max. | 10 mm² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.75 mm² |

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Technical data

Connection data

| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 10 mm² |
|--|----------------|
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum | 0.75 mm² |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum | 10 mm² |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 2 |
| Internal cylindrical gage | B7 |

Standards and Regulations

| Connection in acc. with standard | IEC 60947-7-1 |
|--|----------------|
| | IEC/EN 60079-7 |
| 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

Circuit diagram

0----0

Classifications

eCl@ss

| eCl@ss 10.0.1 | 27141120 |
|---------------|----------|
| eCl@ss 11.0 | 27141120 |
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

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Classifications

ETIM

| ETIM 2.0 | EC000897 |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

UNSPSC

| UNSPSC 6.01 | 30211811 |
|---------------|----------|
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

Approvals

Approvals

Approvals

CSA

Ex Approvals

GL / EAC Ex / IECEx / ATEX / DNV GL-EX / NEPSI

Approval details

| CSA | (1) | http://www.csagroup.org/services-industries/product-listing/ | | 13631 |
|--------------------|------------|--|-------|-------|
| | | | | |
| Nominal voltage UN | | | 600 V | |
| Nominal current IN | | | 140 A | |
| mm²/AWG/kcmil | | | 14-2 | |

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Accessories

Accessories

DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



DIN rail perforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



DIN rail, unperforated, G profile, width: 32 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

End block

End clamp - E/1 - 1201044



End clamp, width: 8 mm

End cover

End cover - D-SSK 135 KER - 0205067



End cover, insulation material: ceramic

Labeled terminal marker



Accessories

Zack marker strip - ZB 15 CUS - 0824945



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

Zack marker strip - ZB 15,LGS:L1-N,PE - 0811998



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

Screw bridge

Chain bridge - KBI- 15 - 0205203



Chain bridge, pitch: 15 mm, number of positions: 1, color: silver

Fixed bridge - FBI 2-15 - 0201333



Fixed bridge, pitch: 15 mm, number of positions: 2, color: silver

Terminal marking

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

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Accessories

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