

Data sheet

Commercial Art.No.: 46.032.5053.1

device connector RST16I3 S S1 M02 SW

RST® MINI device connector, standard, straight, M16, number of poles 3, model male, connection type screw connection, rated voltage 250 V, rated current 16 A, color of coding/ contact carrier black



certificates / approvals



Technical data

general

| | |
|----------------------------------|----------------------------------|
| rated current | 16 A |
| rated voltage | 250 V |
| pollution degree | 3 |
| rated impulse voltage | 4 kV |
| continuity resistor | 0.75 mOhm |
| lockable | self-locking (unlocking by hand) |
| color of coding/ contact carrier | black |
| marking of poles | L, N, PE |

connection data

| | |
|---|----------------------|
| connection cross section solid mm ² max. | 2.5 mm ² |
| connection cross section solid mm ² min. | 0.25 mm ² |
| connection cross section fine stranded mm ² max. | 2.5 mm ² |
| connection cross section fine stranded mm ² min. | 0.25 mm ² |
| terminations per pole | 1 |
| wire strip length | 8 mm |
| connection cross section stranded mm ² min. | 0.25 mm ² |
| connection cross section stranded mm ² max. | 1.5 mm ² |

technical data UL

| | |
|--|--------|
| rated voltage UL | 600 V |
| rated current UL | 16 A |
| connection cross section solid AWG min. | 24 AWG |
| connection cross section solid AWG max. | 14 AWG |
| connection cross section stranded AWG min. | 24 AWG |
| connection cross section stranded AWG max. | 14 AWG |

| | |
|-----------------------------|-------|
| degree of protection (NEMA) | 4, 4x |
|-----------------------------|-------|

model

| | |
|---|-----------------------|
| model | male |
| connection type | screw connection |
| connecting thread metric | M16 |
| angle of plug | straight |
| degree of protection (IP) | IP66/68 (3m;2h) /IP69 |
| thickness of housings (electrical device) | 0.5 mm |
| thickness of housings (electrical device) | 5 mm |

material

| | |
|--|---------------|
| housing material | polyamide |
| halogen free | yes |
| contact material | CuZn |
| fire load | 0.043 kWh/St |
| insulation components continuous temperature | 100 °C |
| surface finish | silver-plated |

dimensions

| | |
|--------|---------|
| length | 35.2 mm |
| width | 19 mm |
| height | 19 mm |

note

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|------|---|
| note | RST® terminals with screw clamping allow the connection of conductors without special preparation (without ferrules) according to EN 60999-1.; positioning realised with flattened thread |
|------|---|

classification

| | |
|------------|----------|
| ECLASS 11 | |
| ECLASS 8.1 | 27440602 |
| ETIM 9.0 | EC002566 |
| ETIM 8.0 | EC002566 |
| ETIM 7.0 | EC002566 |
| ETIM 6.0 | EC002566 |
| ETIM 5.0 | EC002566 |
| ETIM 4.0 | EC002566 |

product compliance

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|------------------------------|-----------|
| ROHS conformity status | compliant |
| REACH-SVHC conformity status | compliant |