

## Data sheet

Commercial Art.No.: 96.032.4053.1

connector RST20I3S S1 ZR1 V SW

RST® CLASSIC connector, straight, number of poles 3, male, connection type screw connection, rated voltage 250 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier black



certificates / approvals



## Technical data

### general

|                                          |                                  |
|------------------------------------------|----------------------------------|
| rated current                            | 20 A                             |
| rated voltage                            | 250 V                            |
| rated impulse voltage                    | 4 kV                             |
| strain relief                            | yes                              |
| pollution degree                         | 3                                |
| lockable                                 | self-locking (unlocking by tool) |
| color of coding/ contact carrier         | black                            |
| Pole codification                        | L, N, PE                         |
| color of housing inclusive strain relief | black                            |
| RAL-Nummer Codierung/Kontakteinsatz      | 9005                             |

### connection data

|                                                 |          |
|-------------------------------------------------|----------|
| cable diameter max.                             | 10 mm    |
| cable diameter min.                             | 6 mm     |
| connection cross section solid mm² max.         | 6 mm²    |
| connection cross section solid mm² min.         | 0.75 mm² |
| connection cross section fine stranded mm² max. | 6 mm²    |
| connection cross section fine stranded mm² min. | 0.75 mm² |
| terminations per pole                           | 1        |
| connection cross section stranded mm² min.      | 0.75 mm² |
| connection cross section stranded mm² max.      | 6 mm²    |
| sheath strip length                             | 26.5 mm  |
| wire strip length                               | 8 mm     |

### technical data UL

|                                         |        |
|-----------------------------------------|--------|
| rated voltage UL                        | 600 V  |
| rated current UL                        | 20 A   |
| connection cross section solid AWG min. | 16 AWG |
| connection cross section solid AWG max. | 10 AWG |

|                                            |              |
|--------------------------------------------|--------------|
| connection cross section stranded AWG min. | 16 AWG       |
| connection cross section stranded AWG max. | 10 AWG       |
| degree of protection (NEMA)                | 4, 4X, 6, 6P |

#### model

|                           |                       |
|---------------------------|-----------------------|
| model                     | male                  |
| connection type           | screw connection      |
| degree of protection (IP) | IP66/68 (3m;2h) /IP69 |

#### material

|                                              |               |
|----------------------------------------------|---------------|
| housing material                             | polyamide     |
| halogen free                                 | yes           |
| contact material                             | CuZn          |
| fire load                                    | 0.271 kWh/St  |
| insulation components continuous temperature | 100 °C        |
| surface finish                               | silver-plated |

#### dimensions

|        |         |
|--------|---------|
| length | 79.1 mm |
| width  | 34.6 mm |
| height | 34.6 mm |

#### note

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

#### classification

|            |          |
|------------|----------|
| ECLASS 11  |          |
| ECLASS 8.1 | 27440605 |
| ETIM 9.0   | EC002560 |
| ETIM 8.0   | EC002560 |
| ETIM 7.0   | EC002560 |
| ETIM 6.0   | EC002560 |
| ETIM 5.0   | EC002560 |
| ETIM 4.0   | EC002560 |

#### product compliance

|                              |                    |
|------------------------------|--------------------|
| ROHS conformity status       | compliant/exempted |
| ROHS exceptions              | III-6(c)           |
| REACH-SVHC conformity status | Duty-To-Declare    |
| REACH-SVHC substances        | Lead               |
| REACH-SVHC CAS numbers       | 7439-92-1          |