# Data sheet

Commercial Art.No.: 96.032.6153.1

Device connector RST20I3S S1 M03V SW

RST20i3 device connector M16, 3 pole, male, screw connection, modular, application 250V with PE, 20A, coding color black, color of housing black

| Commercial Art.No. | 96.032.6153.1 |
|---|---|
| EAN | 4015573905108 |
| Order Unit | 1 |

Certificates / Approvals

## Technical data

**General**

| Rated current | 20 A |
|---|---|
| Rated voltage | 250 V |
| Pollution degree | 3 |
| Rated impulse voltage | 4 kV |
| Lockable | self-locking (unlocking by tool) |
| Color of coding/ contact carrier | black |
| Marking of poles | L, N, PE |
| Color of separate adapter (if present) | black |

**Connection Data**

| Connection cross section solid mm² max. | 6 mm² |
|---|---|
| Connection cross section solid mm² min. | 0.75 mm² |
| Connection cross section solid AWG min. | 16 AWG |
| Connection cross section solid AWG max. | 10 AWG |
| Connection cross section fine stranded mm² max. | 6 mm² |
| Connection cross section fine stranded mm² min. | 0.75 mm² |
| Terminations per pole | 1 |
| Wire strip length | 8 mm |
| Connection cross section stranded AWG min. | 16 AWG |
| Connection cross section stranded AWG max. | 10 AWG |

**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) 2 | 0.5 mm |
| Thickness of housings (electrical device) | 8 mm |

**Material**

| Housing material | Polyamide |
|---|---|
| halogen free | yes |
| Contact material | CuZn |
| Fire load | 0.175 kWh |
| Insulation components continous temperature | 100 °C |
| Surface finish | Silver-plated |

**Dimensions**

| Length | 68.3 mm |
|---|---|
| Width | 34.6 mm |
| Height | 34.6 mm |

**Classification**

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

**Note**

| 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 |
|---|---|

**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 |

## Accessories

| Commercial Art.No.: | Article-type description: | Description: |
|---|---|---|
| 05.564.4453.1 | Cover for male connector SW | RST20i3/2 cover piece, for covering unused male connectors, color black |
| 99.416.6205.2 | Cover for male connector SW | RST20i3/2 cover piece, for covering unused male connectors, with fastening belt, color black |

## Fits with

| Commercial Art.No.: | Article-type description: | Description: |
|---|---|---|

| | | |
|---|---|---|
| 96.031.4053.1 | Connector RST20I3S B1 ZR1 SW | RST20i3 connector, 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black |
| 96.031.4153.1 | Connector RST20I3S B1 ZR2 SW | RST20i3 connector, 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black |
| 96.031.4553.1 | Connector RST20I3S B1 ZR3 SW | RST20i3 connector, 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 14-18mm, coding color black, color of housing black |
| 96.033.4053.1 | Connector RST20I3S B1 YR1 SW | RST20i3 connector (90° angled), 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black |
| 96.033.4153.1 | Connector RST20I3S B1 YR2 SW | RST20i3 connector (90° angled), 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black |
| 96.031.4253.1 | Connector RST20I3S B1 ZRX SW | RST20i3 splitter connector, 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black |
| 96.031.4353.1 | Connector RST20I3S B1 ZRY SW | RST20i3 splitter connector, 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black |