product data sheet

item no. X6.031.2053.1

# device connector RST20I3FXB2 M00 SW

RST® CLASSIC ATEX device connector, modular, straight, M20, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black



| | |
|---|---|
| item no. | X6.031.2053.1 |
| EAN | 4015573987425 |
| order unit | 100 piece(s) |

## certificates / approvals

SEV-Ex

## technical data

**note**

| | |
|---|---|
| note | fine stranded and stranded conductors require cable end sleevepositioning realised with flattened thread |

**general**

| | |
|---|---|
| rated current | 20 A |
| rated voltage | 250 V |
| pollution degree | 3 |
| rated impulse voltage | 4 kV |
| continuity resistor | 0.8 mOhm |
| 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 |
| explosion-tested version | yes |

**connection data**

| | |
|---|---|
| connection cross section solid mm² max. | 2.5 mm² |
| connection cross section solid mm² min. | 1.5 mm² |
| connection cross section fine stranded mm² min. | 1.5 mm² |
| terminations per pole | 2 |
| wire strip length | 14.5 mm |

**model**

| | |
|---|---|
| model | female |
| connection type | spring clamp connection |
| connecting thread metric | M20 |
| 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) | 8 mm |

**material**

| | |
|---|---|
| housing material | polyamide |
| halogen free | yes |
| contact material | CuZn |
| fire load | 0 kWh/St |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

| | |
|---|---|
| length | 68.2 mm |
| width | 35 mm |
| height | 35 mm |

## accessories

| item no. | type | description |
|---|---|---|
| 99.414.6205.2 | cover for female connector SW | RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black |
| Z5.564.4553.1 | cover for female connector SW | RST20i3/2 cover piece, for covering unused female connectors, color black |
| 06.502.4300.0 | screwdriver DIN 5264 A 0,4 X 2,5 | Screw driver according to DIN 5264 A, blade: 0.4x2.5 mm, long and straight version |
| 95.101.1300.0 | ferrule crimping tool 0,08 - 10 mm² | Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm², length of tool: 180 mm |
| 06.600.3627.0 | ferrule DIN 46228-E1-12 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 1.0 mm²/AWG17 |
| 06.600.3727.0 | ferrule DIN 46228-E0,75-12 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 0.75-1.0 mm²/ AWG17 |
| 06.600.3827.0 | ferrule DIN 46228-E0,5-10 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 0.5 mm²/AWG20 |
| 06.600.3927.0 | ferrule DIN 46228-E1,5-12 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm²/AWG16 |