product data sheet

item no. X6.031.0053.1

# connector RST20I3FXB2 ZR1 SW

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



| | |
|---|---|
| item no. | X6.031.0053.1 |
| EAN | 4049088010088 |
| order unit | 100 piece(s) |

## certificates / approvals

SEV-Ex

## technical data

**note**

| | |
|---|---|
| note | fine stranded and stranded conductors require cable end sleeve |

**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 |
| marking of poles | L, N, PE |
| color of housing inclusive strain relief | black |
| explosion-tested version | yes |
| RAL-Nummer Codierung/Kontakteinsatz | 9005 |

**connection data**

| | |
|---|---|
| cable diameter max. | 10 mm |
| cable diameter min. | 6 mm |
| 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 |
| sheath strip length | 35 mm |
| wire strip length | 14.5 mm |

**model**

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

**material**

| | |
|---|---|
| housing material | polyamide |
| halogen free | yes |
| contact material | CuZn |
| fire load | 0.291 kWh/St |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

| | |
|---|---|
| length | 82 mm |
| width | 34.6 mm |
| height | 34.6 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 |

## assembly

| item no. | type | description |
|---|---|---|
| X6.030.0153.1 | distributor RST20I3VX3P1 F V SW | RST® CLASSIC ATEX distributor, parallel connection, with fastening option, number of poles 3, rated voltage 250 V, rated current 20 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier black |
| X6.032.1053.1 | device connector RST20I3FXS2 M01V SW | RST® CLASSIC ATEX device connector, standard, straight, M25, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |
| X6.032.2053.1 | device connector RST20I3FXS2 M00V SW | RST® CLASSIC ATEX device connector, modular, straight, M20, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |