

## Data sheet

Commercial Art.No.: X6.031.1053.1

Device connector RST20i3FXB2 M01 SW

RST20i3 device connector M25 with ATEX-authorization, 3 pole, female, spring clamp connection, application 250V with PE, 20A, coding color black



Commercial Art.No.	X6.031.1053.1
EAN	4015573989320
Order Unit	1

Certificates / Approvals

**SEV-Ex**

## Technical data

### Classification

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

### 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
Explosion-tested version	yes

### Model

Model	female
Connection type	spring clamp connection
Connecting thread metric	M25
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	0.137 kWh
Insulation components continuous temperature	100 °C
Surface finish	Silver-plated

#### Connection Data

Connection cross section solid mm <sup>2</sup> max.	2.5 mm <sup>2</sup>
Connection cross section solid mm <sup>2</sup> min.	1.5 mm <sup>2</sup>
Connection cross section fine stranded mm <sup>2</sup> min.	1.5 mm <sup>2</sup>
Terminations per pole	2
Wire strip length	14.5 mm

#### Dimensions

Length	46.6 mm
Width	35 mm
Height	35 mm

#### Note

Note	Fine stranded and stranded conductors require cable end sleeve; Positioning realised with flattened thread
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#### 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:
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 mm <sup>2</sup>	Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm <sup>2</sup> , length of tool: 180 mm
06.600.3627.0	ferrules DIN 46228-E1-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.0 mm <sup>2</sup> /AWG17
06.600.3727.0	ferrules DIN 46228-E0,75-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 0.75-1.0 mm <sup>2</sup> /AWG17
06.600.3827.0	ferrules DIN 46228-E0,5-10	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 0.5 mm <sup>2</sup> /AWG20
06.600.3927.0	ferrules DIN 46228-E1,5-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm <sup>2</sup> /AWG16

99.414.6205.2	Cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color schwarz
Z5.564.4553.1	Cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
05.566.5253.1	Spacer ring RST	RST20/25 distance ring, for device connectors to ensure unlocking with screwdriver, color black
05.568.8853.1	Spacer ring RST	RST20/25 distance ring, for device connectors to ensure unlocking without tool,color black

### Fits with

Commercial Art.No.:	Article-type description:	Description:
X6.032.0053.1	Connector RST20I3FXS2 ZR1 V SW	RST20i3 connector with ATEX-authorization, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
X6.032.0153.1	Connector RST20I3FXS2 ZR2 V SW	RST20i3 connector with ATEX-authorization, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black