

Data sheet

Commercial Art.No.: X6.051.5053.1

Device connector RST20i5SXB1 M01 SW

RST20i5 device connector M25 with ATEX-authorization, 5 pole, female, screw connection, application 250/400V with PE, 20A, coding color black



Commercial Art.No.	X6.051.5053.1
EAN	4049088089336
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 / 400 V
Pollution degree	3
Rated impulse voltage	4 kV
Lockable	self-locking (unlocking by tool)
Color of coding/ contact carrier	black
Marking of poles	1, 2, 3, N, PE
Explosion-tested version	yes

Model

Model	female
Connection type	screw 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
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Material

Housing material	Polyamide
halogen free	yes
Contact material	CuZn
Fire load	0.134 kWh
Insulation components continuous temperature	100 °C
Surface finish	Silver-plated

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 max.	2.5 mm²
Connection cross section fine stranded mm² min.	1.5 mm²
Terminations per pole	1
Wire strip length	8 mm

Dimensions

Length	51.4 mm
Width	35 mm
Height	35 mm

Note

Note	fine-stranded and stranded wires have to be used without ferrules; 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:
05.566.5253.1	Spacer ring RST	RST20/25 distance ring, for device connectors to ensure unlocking with screwdriver, color black
99.530.0000.7	Cover for female connector SW	RST20i5/4 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.565.9853.1	Cover for female connector SW	RST20i5/4 cover piece, for covering unused female connectors, color black
05.564.8653.1	Opener RST20i3/i5 SCHWARZ	Manual disconnect for later installation of RST connectors, 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:
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X6.052.4053.1	Connector RST20I5SXS1 ZR1 V SW	RST20i5 connector with ATEX-authorization, 5 pole, male, screw connection, application 250/400V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
X6.052.4153.1	Connector RST20I5SXS1 ZR2 V SW	RST20i5 connector with ATEX-authorization, 5 pole, male, screw connection, application 250/400V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black
X6.052.4553.1	Connector RST20I5SXS1 ZR2SV SW	RST20i5 connector with ATEX-authorization, 5 pole, male, screw connection, application 250/400V with PE, 20A, for cable diameters 14-18mm, coding color black, color of housing black