

Data sheet

Commercial Art.No.: 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



Commercial Art.No.	96.031.4053.1
EAN	4015573769625
Order Unit	1

Certificates / Approvals



Technical data

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

Connection Data

Cable diameter max.	10 mm
Cable diameter min.	6 mm
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
Connection cross section stranded mm² min.	0.75 mm²
Connection cross section stranded mm² max.	6 mm²
Connection cross section stranded AWG min.	16 AWG
Connection cross section stranded AWG max.	10 AWG
sheath strip length	26.5 mm
Wire strip length	8 mm

Model

Model	female
Connection type	screw 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
Insulation components continuous temperature	100 °C
Surface finish	Silver-plated

Dimensions

Length	82 mm
Width	34.6 mm
Height	34.6 mm

Classification

ECLASS 11	
ECLASS 8.1	27440605
ETIM 7.0	EC002560
ETIM 6.0	EC002560
ETIM 5.0	EC002560
ETIM 4.0	EC002560

Note

Note	RST® terminals with screw clamping allow the connection of conductors without special preparation (without ferrules) according to EN 60999-1.
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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

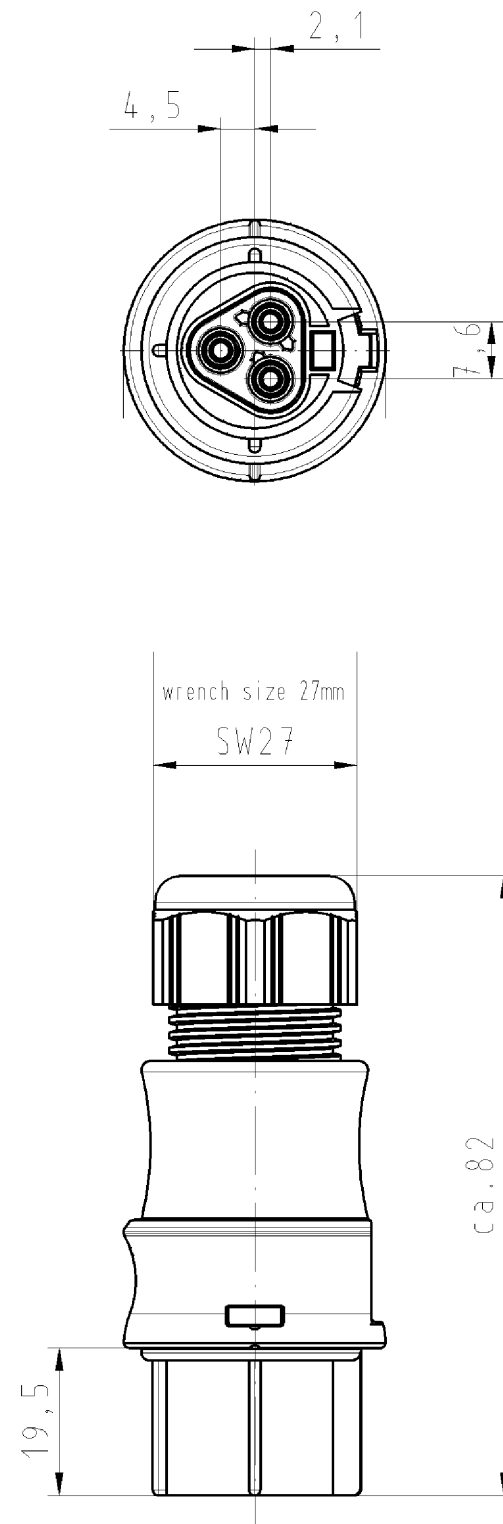
Accessories

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

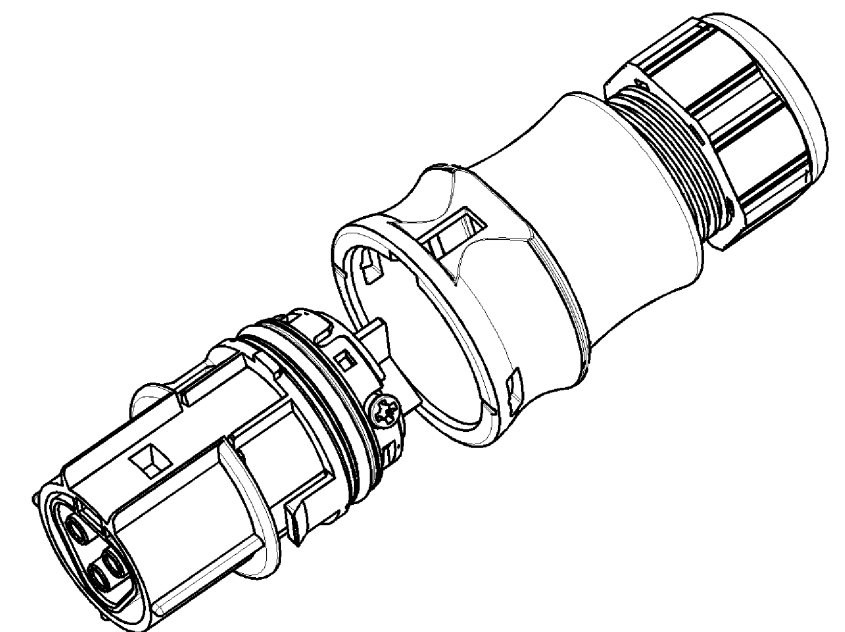
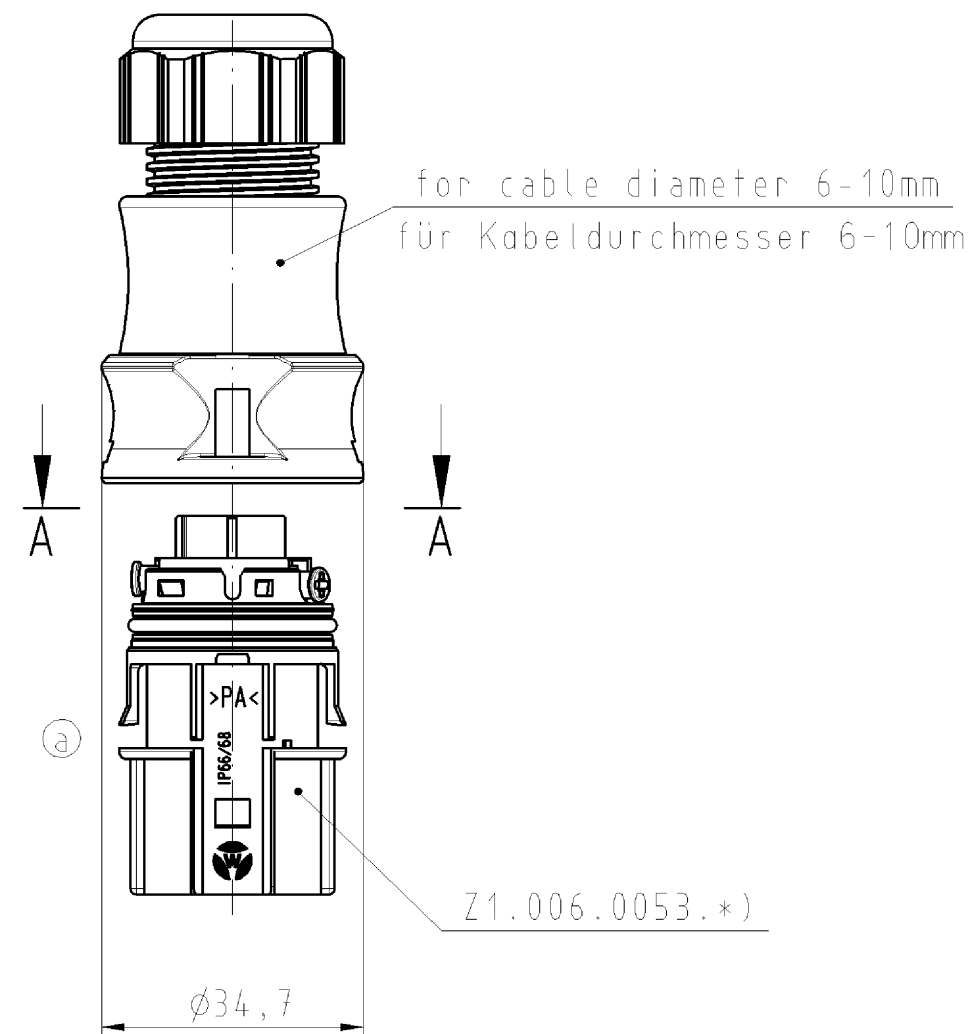
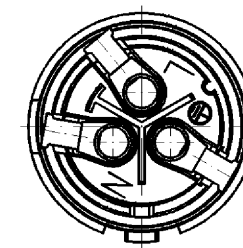
Fits with

Commercial Art.No.:	Article-type description:	Description:
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96.030.0153.1	Distributor RST20I3V 3P1 F V SW	RST20i3 distribution block, 3 pole, application 250V with PE, 20A, 1 input and 3 outputs, with fastening option, coding color black, color of housing black
96.032.4053.1	Connector RST20I3S S1 ZR1 V SW	RST20i3 connector, 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.034.4053.1	Connector RST20I3S S1 YR1 V SW	RST20i3 connector (90° angled), 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.032.5053.1	Device connector RST20I3S S1 M01V SW	RST20i3 device connector M25, 3 pole, male, screw connection, application 250V with PE, 20A, coding color black
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
96.032.6053.1	Device connector RST20I3S S1 M00V SW	RST20i3 device connector M20, 3 pole, male, screw connection, modular, application 250V with PE, 20A, coding color black, color of housing black
96.034.6053.1	Device connector RST20I3S S1 M90V SW	RST20i3 device connector (90° angled) M20, 3 pole, male, screw connection, modular, application 250V with PE, 20A, coding color black, color of housing black
96.036.6153.1	Device connector RST20I3S S1 M13V SW	RST20i3 device connector (7° angled) M16, 3 pole, male, screw connection, modular, application 250V with PE, 20A, coding color black, color of housing black
99.929.0000.7	Distributor RST20I3B 7P1 V SW	RST20i3 multi-distribution unit, 3 pole, application 250V, 20A, 1 input and 7 outputs, mounting option, coding color black, color of housing black



Schnitt A-A
section A-A



Verpackungseinheit: je 100 Stück
packaging unit: per 100

Teile-Nr./ part-nr.	Farbe:/ color:	Einz.-Tl.-Nr.: *)/ single-part-nr.:*)	Freitoleranz nach				CAD - Zeichnung, keine manuellen Änderungen			1.Verwendung: -		Bl.: 1 von 1	
96.031.4053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	1		/	Maßstab 1:1	Werkstoff und Oberfläche: material and sureface: Farbe: siehe Tabelle color: look table	2004	Tag	Name	T	Zeichnung Nr. 96.031.4053.0 01K	a	
				/			Entworfen	27.02.	Kneitz				
				/			Geprüft	-	-				
96.031.4053.0	lichtgrau, ähnl.RAL 7035/ lightgrey, similar to RAL 7035	0		/	Vol.	mm³	Offl.	mm²	Normgepr.	-	-	Ersatz für: -	
				/									
			a	03.05.2005/				Type RST2013		Benennung BUCHSENTEIL MIT ZUGENTLASTUNG			
			Buchstabe	Datum / Blatt		Elektrische Verbindungen		S B1 ZR1 V		female connector with cord grip			
			Änderung						Schraubenschluß ohne Drahtschutz/ screw-connection without wire protection				