

## 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 mm <sup>2</sup> max.	6 mm <sup>2</sup>
Connection cross section solid mm <sup>2</sup> min.	0.75 mm <sup>2</sup>
Connection cross section solid AWG min.	16 AWG
Connection cross section solid AWG max.	10 AWG
Connection cross section fine stranded mm <sup>2</sup> max.	6 mm <sup>2</sup>
Connection cross section fine stranded mm <sup>2</sup> min.	0.75 mm <sup>2</sup>
Terminations per pole	1
Connection cross section stranded mm <sup>2</sup> min.	0.75 mm <sup>2</sup>
Connection cross section stranded mm <sup>2</sup> max.	6 mm <sup>2</sup>
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

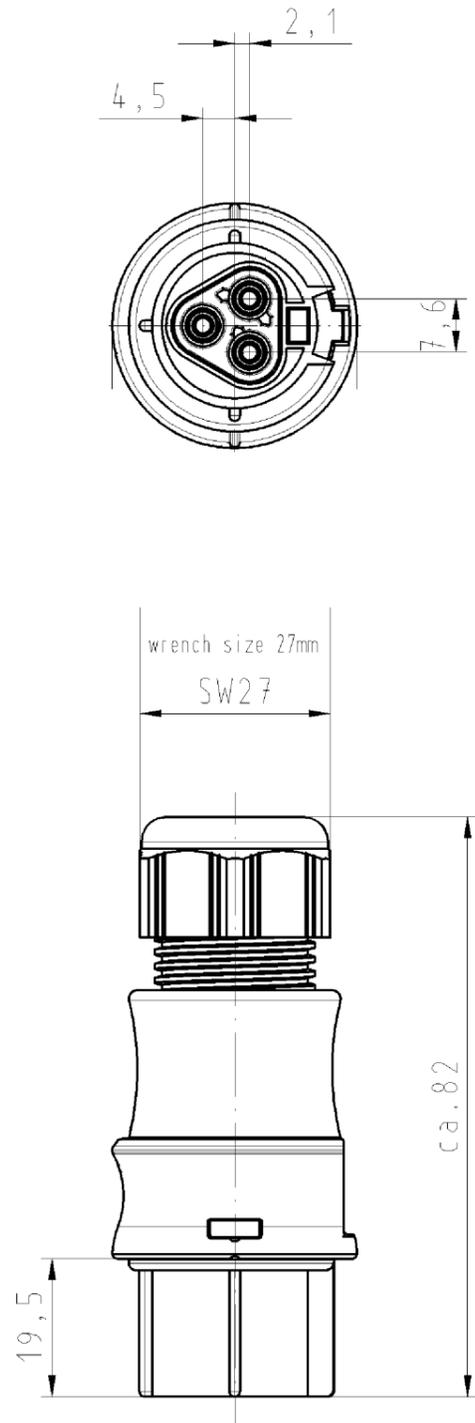
**Accessories**

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

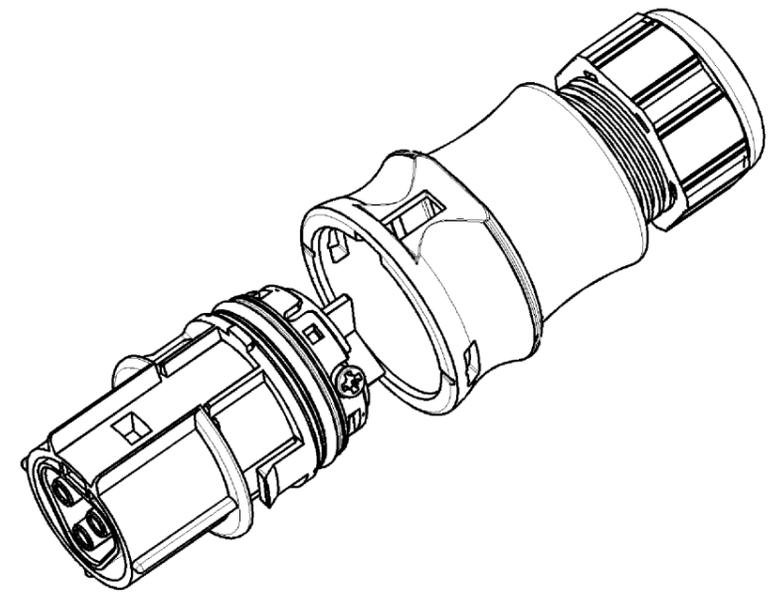
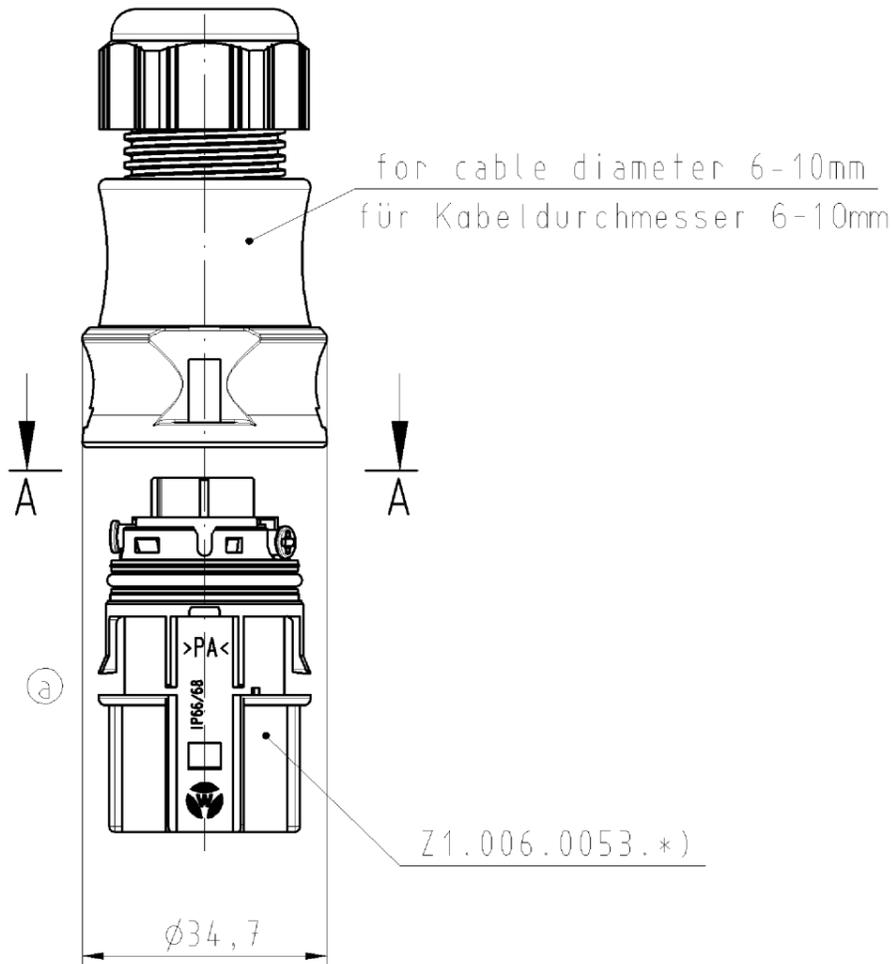
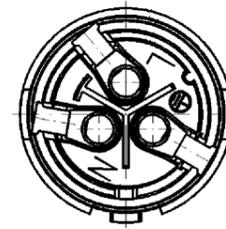
**Fits with**

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.:*)
96.031.4053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	....._1
96.031.4053.0	lichtgrau, ähnl. RAL 7035/ lightgrey, similar to RAL 7035	....._0

Freitoleranz nach		CAD - Zeichnung, keine manuellen Änderungen			1. Verwendung: -		Bl.: 1 von 1	
	Maßstab	Werkstoff und Oberfläche: material and surface: Farbe: siehe Tabelle color: look table		2004	Tag	Name	Zeichnung Nr.	
	1:1			Entworfen	27.02.	Kneitz	T 96.031.4053.0 01K a	
	Vol.	mm <sup>3</sup>	Ofl.	mm <sup>2</sup>	Normgepr.	-	Ersatz für: -	
		wieland		Type		Benennung		
a	03.05.2005/	Elektrische Verbindungen		RST2013		BUCHSENTEIL MIT ZUGENTLASTUNG		
Änderung				S B1 ZR1 V		female connector with cord grip		
						Schraubenschluß ohne Drahtschutz/ screw-connection without wire protection		

○ Diese Maße werden bei Abnahme besonders geprüft  
○ Ausschließlich Prüfmaße  
○ Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig

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