

Data sheet

Commercial Art.No.: 96.031.4053.1

connector RST20I3S B1 ZR1 SW

RST® CLASSIC connector, straight, number of poles 3, female, connection type screw connection, rated voltage 250 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier 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
Pole codification	L, N, PE
color of housing inclusive strain relief	black
RAL-Nummer Codierung/Kontakteinsatz	9005

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 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
sheath strip length	26.5 mm
wire strip length	8 mm

technical data UL

rated voltage UL	600 V
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rated current UL	20 A
connection cross section solid AWG min.	16 AWG
connection cross section solid AWG max.	10 AWG
connection cross section stranded AWG min.	16 AWG
connection cross section stranded AWG max.	10 AWG
degree of protection (NEMA)	4, 4X, 6, 6P

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	0.29 kWh/St
insulation components continuous temperature	100 °C
surface finish	silver-plated

dimensions

length	82 mm
width	34.6 mm
height	34.6 mm

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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classification

ECLASS 11	
ECLASS 8.1	27440605
ETIM 9.0	EC002560
ETIM 8.0	EC002560
ETIM 7.0	EC002560
ETIM 6.0	EC002560
ETIM 5.0	EC002560
ETIM 4.0	EC002560

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

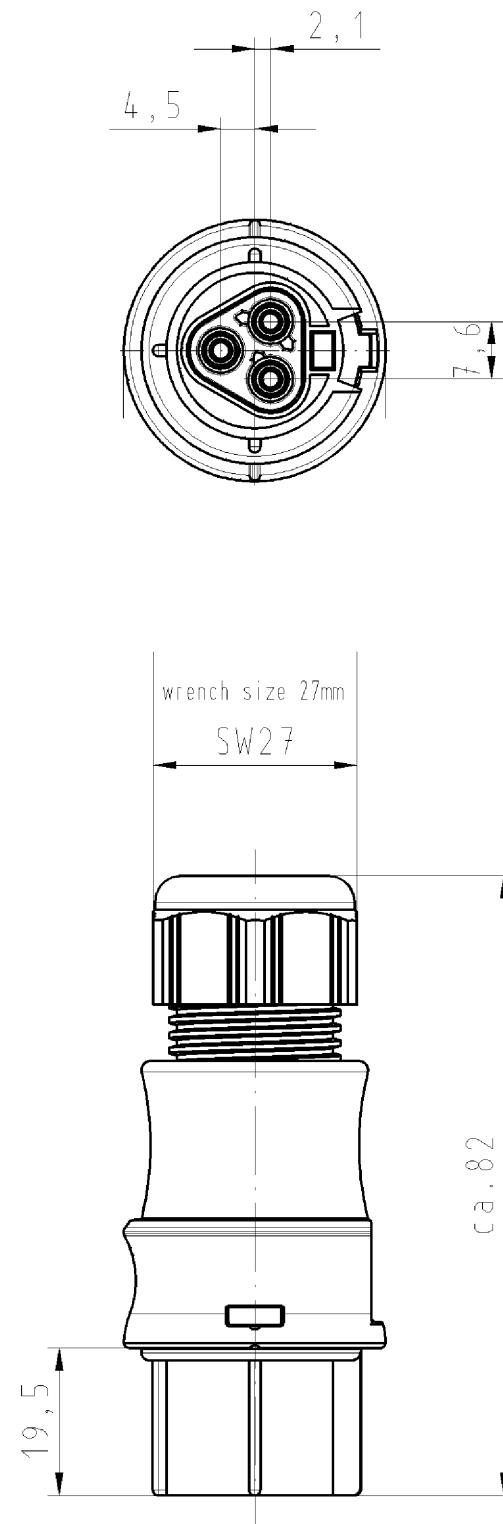
Accessories

Commercial Art.No.:	Article-type description:	Description:
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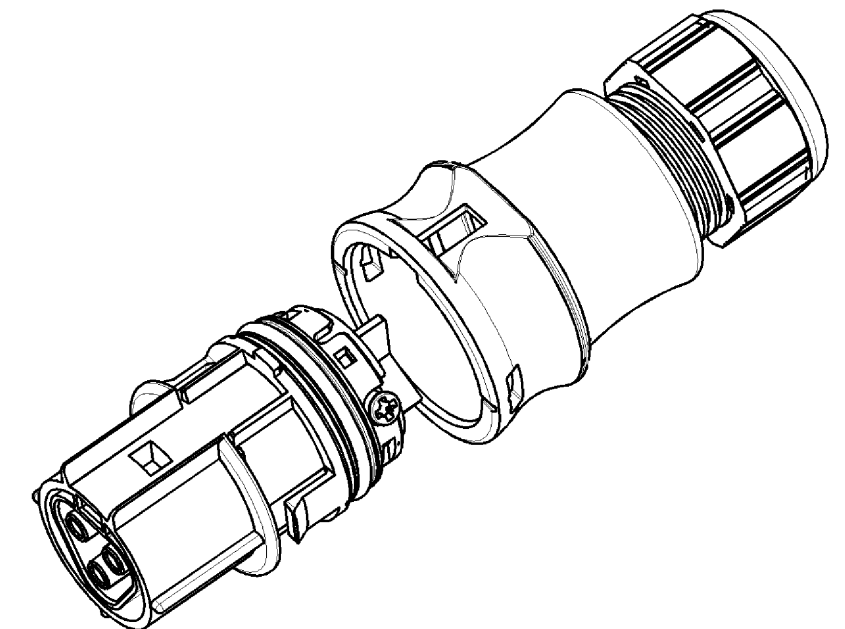
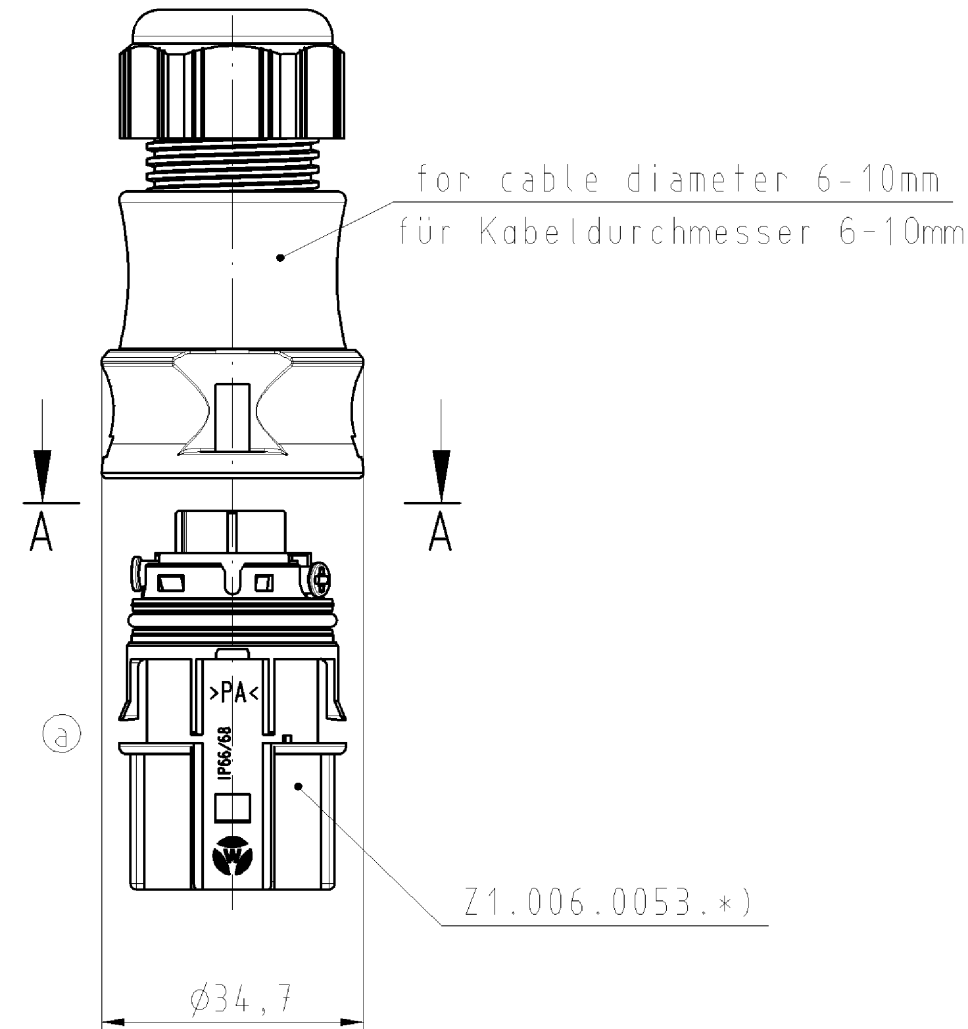
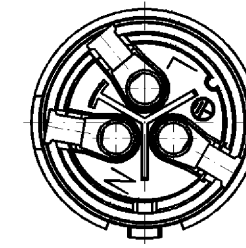
99.414.6205.2	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.564.4553.1	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black

Fits with


Commercial Art.No.:	Article-type description:	Description:
96.030.0153.1	distributor RST20i3V 3P1 F V SW	RST® CLASSIC 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
96.032.4053.1	connector RST20i3S S1 ZR1 V SW	RST® CLASSIC connector, straight, number of poles 3, male, connection type screw connection, rated voltage 250 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier black
96.034.4053.1	connector RST20i3S S1 YR1 V SW	RST® CLASSIC connector, angled 90°, number of poles 3, male, connection type screw connection, rated voltage 250 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier black
96.032.5053.1	device connector RST20i3S S1 M01V SW	RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model male, connection type screw connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.032.6153.1	device connector RST20i3S S1 M03V SW	RST® CLASSIC device connector, modular, straight, M16, number of poles 3, model male, connection type screw connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.032.6053.1	device connector RST20i3S S1 M00V SW	RST® CLASSIC device connector, modular, straight, M20, number of poles 3, model male, connection type screw connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.034.6053.1	device connector RST20i3S S1 M90V SW	RST® CLASSIC device connector, modular, angled 90°, M20, number of poles 3, model male, connection type screw connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.036.6153.1	device connector RST20i3S S1 M13V SW	RST® CLASSIC device connector, modular, angled 7°, M16, number of poles 3, model male, connection type screw connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
99.929.0000.7	distributor RST20i3B 7P1 V SW	RST® CLASSIC 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 7, color of coding/ contact carrier 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 90051		/	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 70350		/	Vol.	mm³	Offl.	mm²	Normgepr.	-	-	Ersatz für: -	
				/	<div><div></div><div>wieland</div><div>Elektrische Verbindungen</div></div>								
			a	03.05.2005/									
			Buchstabe		Datum / Blatt		Änderung		Type RST2013 S B1 ZR1 V		Benennung BUCHSENTEIL MIT ZUGENTLASTUNG female connector with cord grip Schraubenschluß ohne Drahtschutz/ screw-connection without wire protection		