Data sheet

Commercial Art.No.: 96.032.0053.1

Connector RST20I3F S2 ZR1 V SW

RST20i3 connector, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black

Commercial Art.No.	96.032.0053.1
EAN	4015573743496
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.	2.5 mm²
Connection cross section solid mm² min.	0.5 mm²
Connection cross section solid AWG min.	20 AWG
Connection cross section solid AWG max.	14 AWG
Connection cross section fine stranded mm² max.	1.5 mm²
Connection cross section fine stranded mm² min.	0.5 mm²
Terminations per pole	2
Connection cross section stranded mm² min.	0.75 mm²
Connection cross section stranded mm² max.	1.5 mm²
Connection cross section stranded AWG min.	20 AWG
Connection cross section stranded AWG max.	16 AWG
sheath strip length	35 mm
Wire strip length	14.5 mm

Model

Model	male
Connection type	spring clamp connection
Degree of protection (IP)	IP66/68 (3m;2h) /IP69

Material

Housing material	Polyamide
halogen free	yes
Contact material	CuZn
Fire load	0.268 kWh
Insulation components continous temperature	100 °C
Surface finish	Silver-plated

Dimensions

Length	79.1 mm
Width	34.6 mm
Height	34.6 mm

Note

Note	Fine stranded and stranded conductors require cable end sleeve

Classification

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

Product compliance

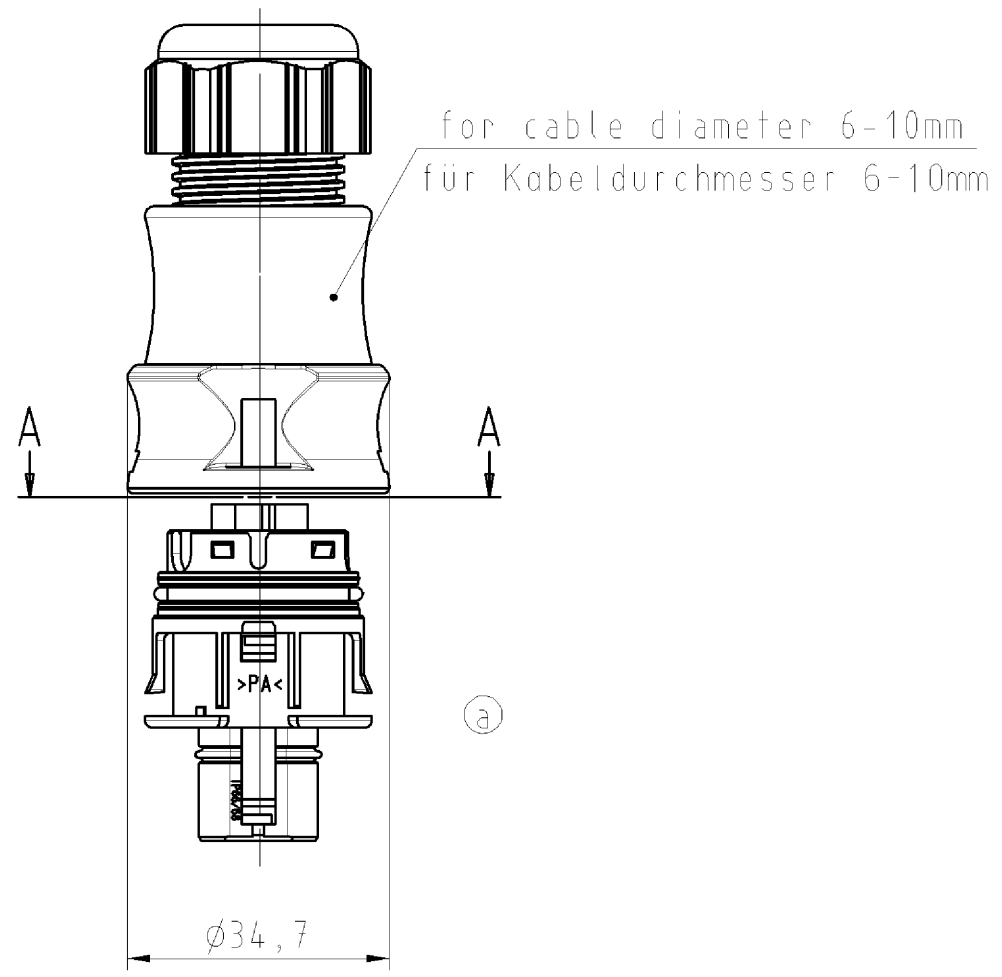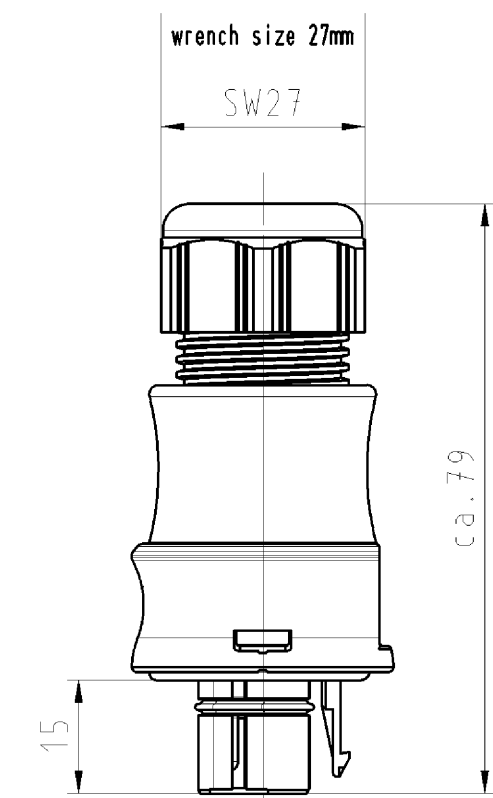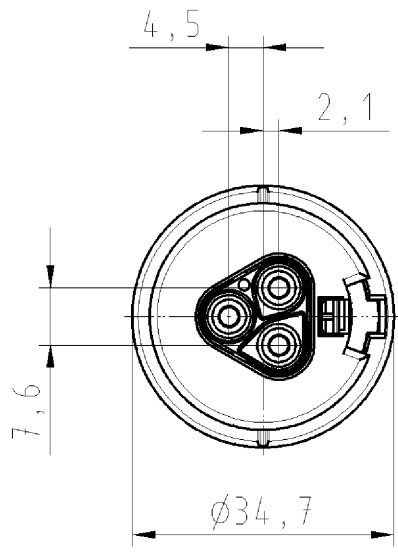| ROHS conformity status	Compliant/Exempted
ROHS exceptions	III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

Accessories

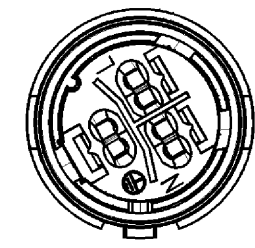| Commercial Art.No.:	Article-type description:	Description:
06.502.4300.0	screwdriver DIN 5264 A 0,4 X 2,5	Screw driver according to DIN 5264 A, blade: 0.4x2.5 mm, long and straight version
95.101.1300.0	ferrule crimping tool 0,08 - 10 mm²	Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm², 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 mm²/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 mm²/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 mm²/AWG20

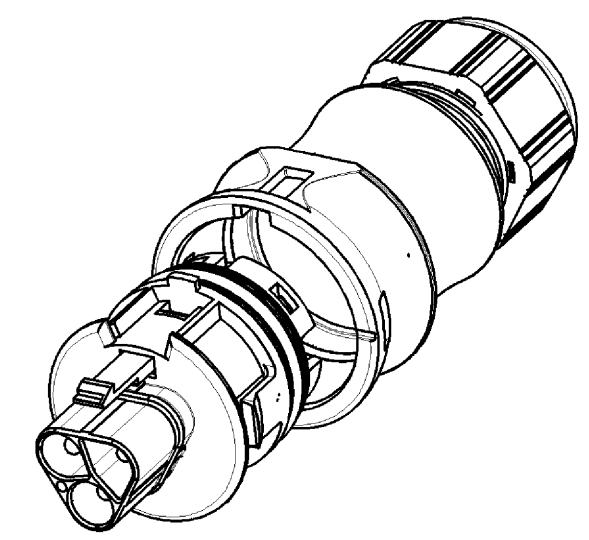| 06.600.3927.0 | ferrules DIN 46228-E1,5-12 | RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm²/AWG16 |
| 05.564.4453.1 | Cover for male connector SW | RST20i3/2 cover piece, for covering unused male connectors, color black |
| 99.416.6205.2 | Cover for male connector SW | RST20i3/2 cover piece, for covering unused male connectors, with fastening belt, color black |

Fits with

Commercial Art.No.:	Article-type description:	Description:
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
96.031.0053.1	Connector RST20I3F B2 ZR1 SW	RST20i3 connector, 3 pole, female, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.031.1053.1	Device connector RST20I3F B2 M01 SW	RST20i3 device connector M25, 3 pole, female, spring clamp connection, application 250V with PE, 20A, coding color black
96.031.2153.1	Device connector RST20I3F B2 M03 SW	RST20i3 device connector M16, 3 pole, female, spring clamp connection, modular, application 250V with PE, 20A, coding color black, color of housing black
96.031.2053.1	Device connector RST20I3F B2 M00 SW	RST20i3 device connector M20, 3 pole, female, spring clamp connection, modular, application 250V with PE, 20A, coding color black, color of housing black
96.033.2053.1	Device connector RST20I3F B2 M90 SW	RST20i3 device connector (90° angled) M20, 3 pole, female, spring clamp connection, modular, application 250V with PE, 20A, coding color black, color of housing black
96.035.2153.1	Device connector RST20I3F B2 M13 SW	RST20i3 device connector (7° angled) M16, 3 pole, female, spring clamp connection, modular, application 250V with PE, 20A, coding color black, color of housing black
96.033.0053.1	Connector RST20I3F B2 YR1 SW	RST20i3 connector (90° angled), 3 pole, female, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black

4,5

2,1

7,6

Ø34,7

wrench size 27mm

SW27

ca.79

15

for cable diameter 6-10mm
für Kabeldurchmesser 6-10mm

A   A

>PA<

a

Ø34,7

M 1:1

Verpackungseinheit: je 100 Stk.

packaging unit: per 100

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

Teile-Nr./ part-nr.	Farbe:/ color:	Einz.-Tl.-Nr.: *)/ single-part-nr.:*)
96.032.0053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	.._..._...._1
96.032.0053.0	lichtgrau, ähnl.RAL 7035/ lightgrey, similar to RAL 7035	.._..._...._0

Freitoleranz nach 16901 Toleranzgruppe 130		CAD - Zeichnung, keine manuellen Änderungen	1.Verwendung: -		Bl.: 1 von 1	
	Maßstab	Werkstoff und Oberfläche: material and surface: Farbe: siehe Tabelle color: look table	2003	Tag	Name	Zeichnung Nr.	Index
/	1:1		Entworfen 21.10.	Kneitz		96.032.0053.0 01K	a
/			Geprüft -				
/	Vol. mm³	Ofl. mm²	Normgepr. -		Ersatz für: -	

a 09.05.2005/
Buchstabe Datum / Blatt

wieland
Elektrische
Verbindungen

Benennung
STECKERTEIL_MIT_ZUGENTLASTUNG
male connector with cord grip
RST2013F S2 ZR1 V

Änderung