

Data sheet

Art.No.: 96.031.4053.1

Connector RST20I3S B1 ZR1 SW

RST 20i3 connector, 3 pole, female, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black



| | |
|------------|---------------|
| 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 ² max. | 6 mm ² |
| Connection cross section solid mm ² min. | 0.75 mm ² |
| Connection cross section fine stranded mm ² max. | 6 mm ² |
| Connection cross section fine stranded mm ² min. | 0.75 mm ² |
| Terminations per pole | 1 |
| Connection cross section stranded mm ² min. | 0.75 mm ² |
| Connection cross section stranded mm ² max. | 6 mm ² |
| 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 | 0.29 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 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. |
|------|---|

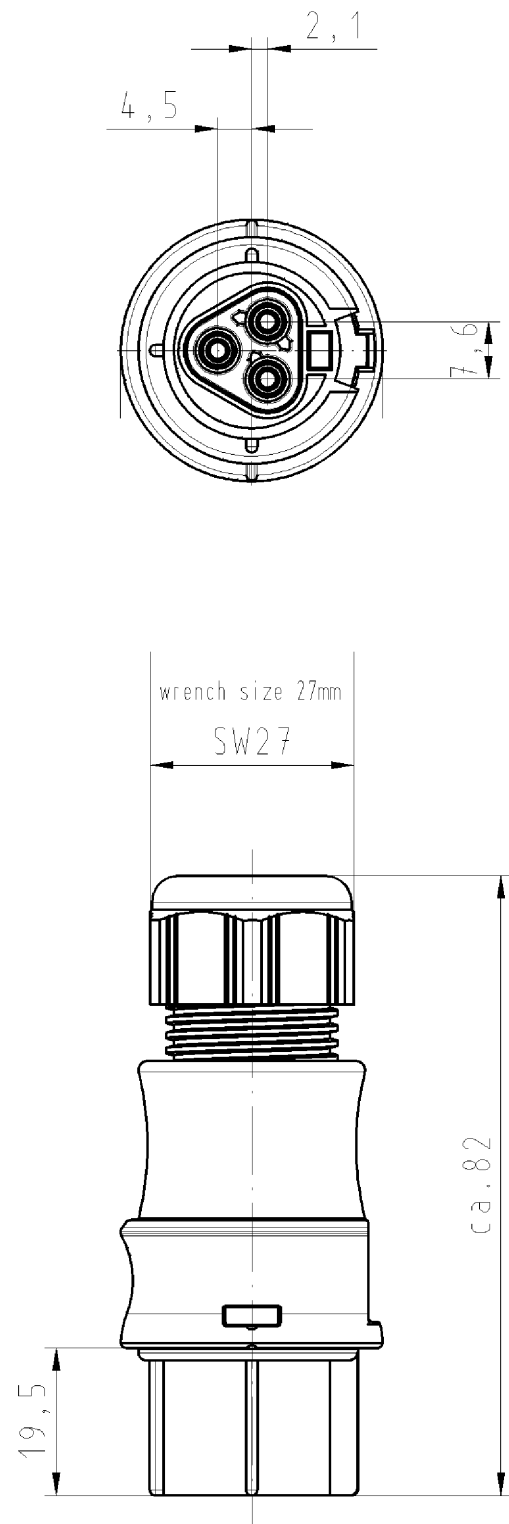
Accessories

| 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 |

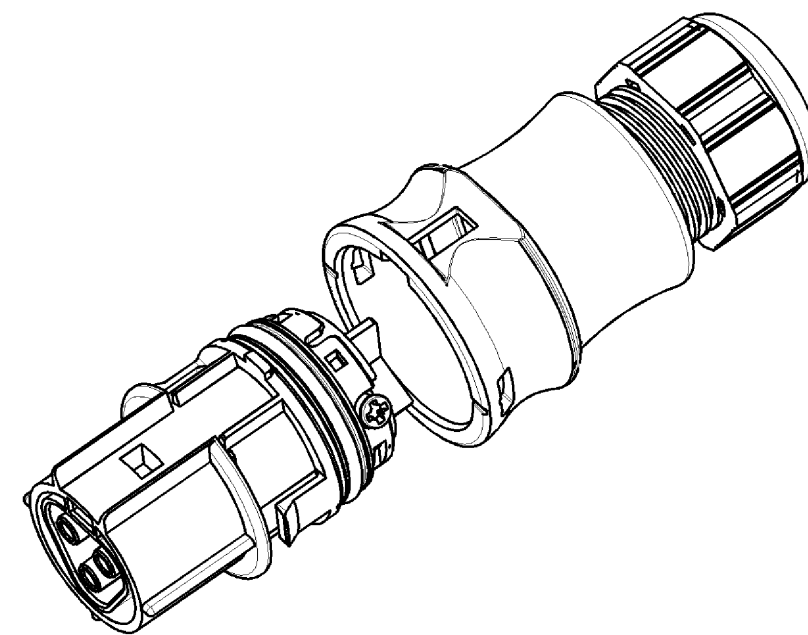
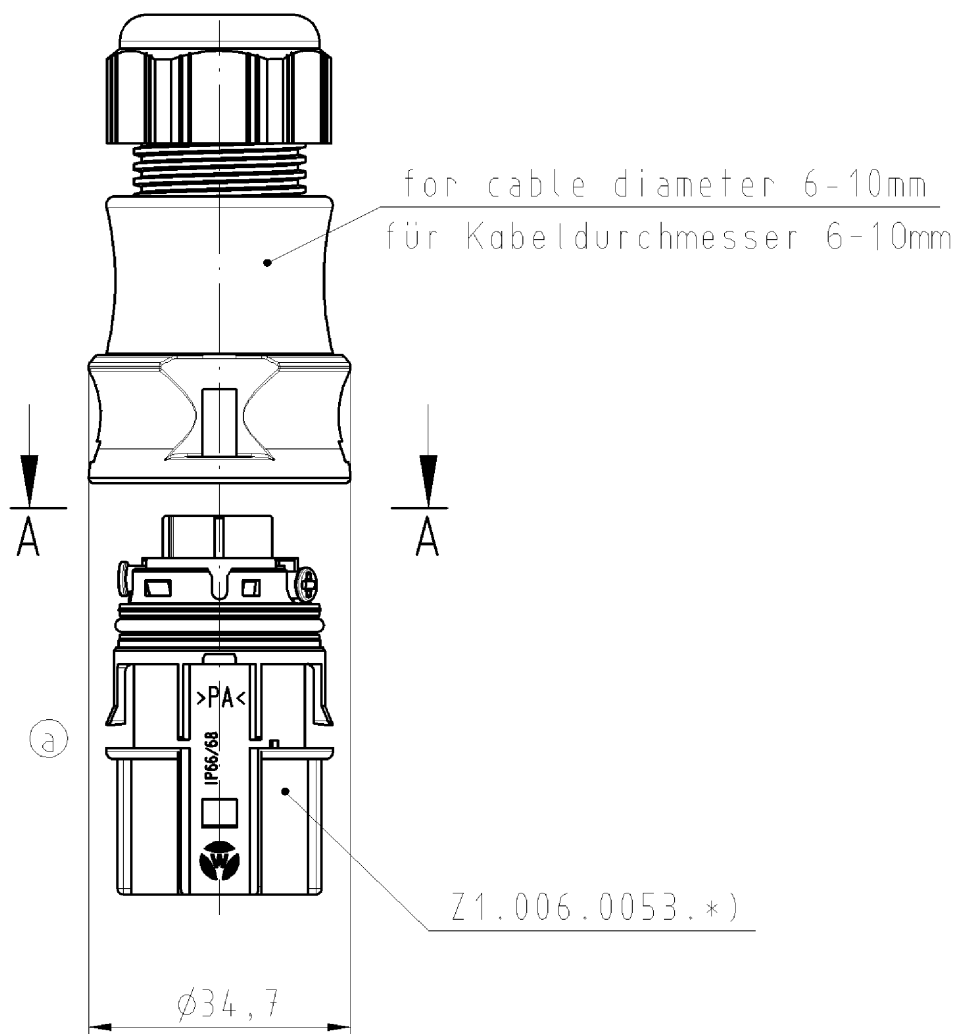
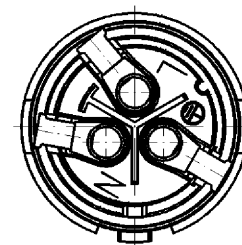
Fits with

| 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 |
| 96.032.4053.1 | Connector RST20i3S S1 ZR1 V SW | RST 20i3 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 | RST 20i3 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 |

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|---------------|--------------------------------------|---|
| 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 ³ | Ofl. | mm ² | Normgepr. | - | Ersatz für: - | |
| a | 03.05.2005/ | wieland | | Type | | Benennung | | |
| Buchstabe | Datum / Blatt | 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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