product data sheet

item no. 96.031.4551.4

# connector RST20I3S B1 ZR3 BR

RST® CLASSIC connector, straight, number of poles 3, female, connection type screw connection, rated voltage 50 V / 120 V, rated current 20 A, cable diameter 13 - 18 mm, color of coding/ contact carrier signal brown



| | |
|---|---|
| item no. | 96.031.4551.4 |
| EAN | 4049088570773 |
| order unit | 100 piece(s) |

## certificates / approvals

## technical data

**note**

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

**general**

| | |
|---|---|
| rated current | 20 A |
| rated voltage | 50 V / 120 V |
| rated impulse voltage | 4 kV |
| strain relief | yes |
| pollution degree | 3 |
| lockable | self-locking (unlocking by tool) |
| color of coding/ contact carrier | signal brown |
| Pole codification | 1, 2, PE |
| color of housing inclusive strain relief | black |
| RAL-Nummer Codierung/Kontakteinsatz | 8002 |

**connection data**

| | |
|---|---|
| cable diameter max. | 18 mm |
| cable diameter min. | 13 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 | 37 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 | 0.37 kWh/St |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

| | |
|---|---|
| length | 96 mm |
| width | 35.4 mm |
| height | 35.4 mm |

## accessories

| item no. | type | description |
|---|---|---|
| 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 |
| 05.564.8653.1 | manual disconnect RST20i3/i5 SCHWARZ | Manual disconnect for later installation of RST connectors, color black |

## assembly

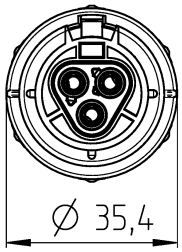
| item no. | type | description |
|---|---|---|
| 96.032.5051.4 | device connector RST20I3S S1 M01VL BR0 | RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model male, connection type screw connection, rated voltage 50 V / 120 V, rated current 20 A, color of coding/ contact carrier signal brown |

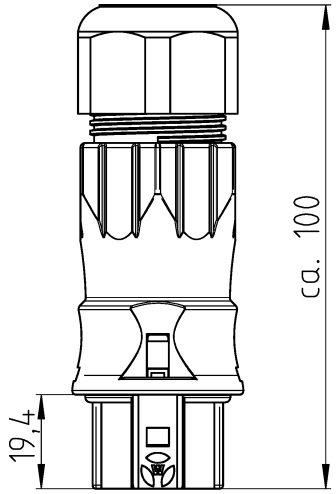
technical drawing

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The reproduction, distribution and utilization of this document as well as the communication of its contents to others without express authorization is prohibited.

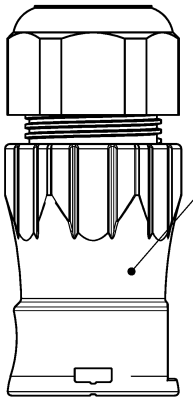
These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

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



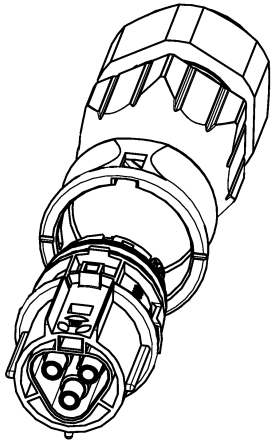

## Auslieferungszustand
## delivery status



Farbe: schwarz
für Kabel Ø 13-18mm
colour: black
for cable Ø 13-18mm
(a)




Farbe: signalbraun
colour: signal brown



Verpackungseinheit: 100 Stück
packaging unit: 100

| 96.031.4551.4 | RST2013S B1 ZR3 BR | signalbraun/signal brown |
|---|---|---|
| Bestellnummer /order number | Typ /type | Farbe /colour |

Weitere Daten siehe KATALOG oder eKATALOG.
Additional data see CATALOG or eCATALOG.

www.wieland-electric.com
eshop.wieland-electric.com

Tolerierung Size ISO 14405 Ⓔ / Tolerance system Size ISO 14405 Ⓔ.
(This ISO-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

ja/yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach
General tolerance

CAD - Zeichnung, keine manuellen Änderungen
CAD - drawing, no manual modifications allowed

1. Verwendung:
First Use:

Blatt: 1 von 1
Sheet: 1 of 1

Werkstoff / Material

Maßstab / Scale: 1:1

| | Tag/Date | Name |
|---|---|---|
| gezeichnet drawn | 05.02.2020 | Schmitt J. |
| geprüft checked | | |
| Normgepr. Stand. check | | |

Zeichnung Nr. / Drawing No.: 96.031.4551.4 13K
Index: a

Maße in mm / Dimensions are in mm

Vol. mm³ Ofl./Srf. mm²

Ersatz für / Replacement for:

| Index | Datum / Blatt Date / Sheet | Änderung / Revision |
|---|---|---|
| a | 06.03.2025 / | |

wieland
www.wieland-electric.com

Type: RST2013S B1 ZR3 BR

Bennenung/Title: BUCHSENTEIL + ZE
Schraubanschliss ohne Drahtschutz /screw connection without wire connection
female connector with cord grip

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QU-MEE-01/14 a