product data sheet

item no. 96.031.4051.4

# connector RST20I3S B1 ZR1S L BR0

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 6 - 10 mm, color of coding/ contact carrier signal brown



| | |
|---|---|
| item no. | 96.031.4051.4 |
| EAN | 4015573950726 |
| 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. | 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 |

**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 | 0.295 kWh/St |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

| | |
|---|---|
| length | 82 mm |
| width | 34.6 mm |
| height | 34.6 mm |

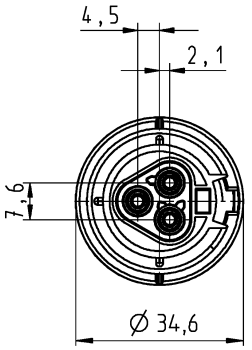
## accessories

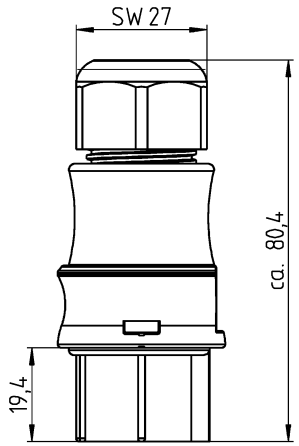
| item no. | type | description |
|---|---|---|
| 99.414.6205.2 | cover for female connector SW | RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black |
| Z5.564.4553.1 | cover for female connector SW | RST20i3/2 cover piece, for covering unused female connectors, color black |
| 05.564.8653.1 | manual disconnect RST20i3/i5 SCHWARZ | Manual disconnect for later installation of RST connectors, color black |

## assembly

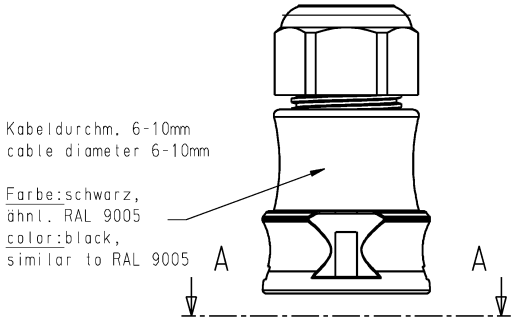
| item no. | type | description |
|---|---|---|
| 96.030.0151.4 | distributor RST20I3V 3P1 F V L BR0 | RST® CLASSIC distributor, parallel connection, with fastening option, number of poles 3, rated voltage 50 V / 120 V, rated current 20 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier signal brown |
| 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 |
| 96.032.6151.4 | device connector RST20I3S S1 M03VL BR0 | RST® CLASSIC device connector, modular, straight, M16, 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 |
| 96.032.6051.4 | device connector RST20I3S S1 M00VL BR0 | RST® CLASSIC device connector, modular, straight, M20, 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 |
| 96.034.6051.4 | device connector RST20I3S S1 M90VL BR0 | RST® CLASSIC device connector, modular, angled 90°, M20, 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 |
| 96.036.6151.4 | device connector RST20I3S B1 M13 L BR01 | RST20i3 device connector (7° angled) M16, 3 pole, male, screw connection, modular, application ~50V/-120V with PE, 20A, coding color signal brown, color of housing black |

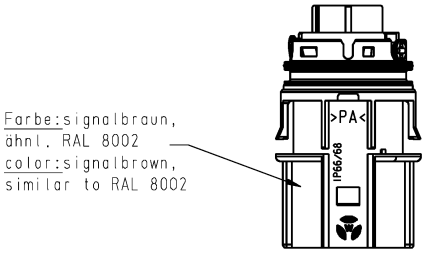
technical drawing




## Auslieferungszustand
## delivery status

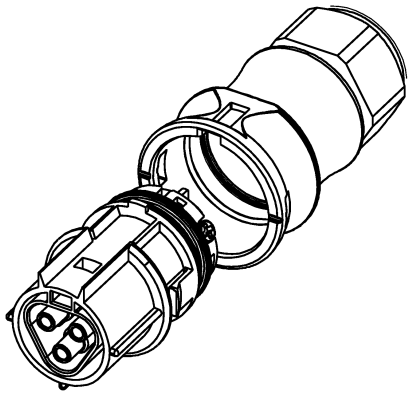



Verpackungseinheit: je 100 Stück
packaging unit: per 100

A-A



Type/type: RST2013S B1 ZR1S L BR01

| | | | | | | |
|---|---|---|---|---|---|---|
| Tolerierung Size ISO 14405 Ⓔ / Tolerance system Size ISO 14405 Ⓔ. (This ISO-standard describes the envolope principle. According to the envolope 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 | | Tag/Date / Name | Zeichnung Nr. / Drawing No. | Index |
| / | | | gezeichnet drawn | 19.12.2009 Kneitz | 96.031.4051.4 01K | a |
| / | Maßstab / Scale 1:1 | | geprüft checked | | | |
| / | | | Normgeor. Stand. check | | Maße in mm / Dimensions are in mm | |
| / | Vol. mm³ | Oft./Srf. mm² | Ersatz für / Replacement for: | | | |
| / | | | Type | Bennenung/Title | | |
| a 22.09.2017 / | wieland www.wieland-electric.com | | | BUCHSENTEIL_MIT_ZUGENTLASTUNG | | |
| Index Datum / Blatt Date / Sheet | | | | female connector with cord grip | | |
| Änderung / Revision | | | | Schrbnschld ohn Drhtschtz/scrw-cnnctn wtht wr prtctn | | |

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

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

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