product data sheet

item no. 96.031.4553.9

# connector RST20I3S B1 ZR3S BL04

RST® CLASSIC connector, straight, number of poles 3, female, connection type screw connection, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 13 - 18 mm, color of coding/ contact carrier light blue



| | |
|---|---|
| item no. | 96.031.4553.9 |
| EAN | 4015573982000 |
| 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 | 250 V / 400 V |
| rated impulse voltage | 4 kV |
| strain relief | yes |
| pollution degree | 3 |
| lockable | self-locking (unlocking by tool) |
| color of coding/ contact carrier | light blue |
| marking of poles | 1, 2, 3 |
| color of housing inclusive strain relief | black |
| RAL-Nummer Codierung/Kontakteinsatz | 5012 |

**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 | 0.368 kWh/St |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

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

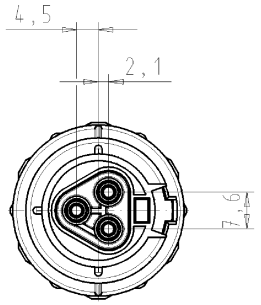
## accessories

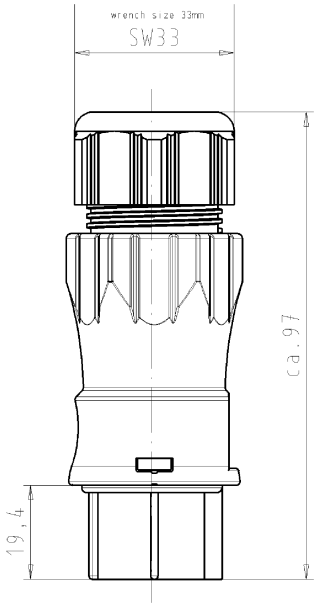
| item no. | type | description |
|---|---|---|
| 99.414.6205.2 | cover for female connector SW | RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black |
| Z5.564.4553.1 | cover for female connector SW | RST20i3/2 cover piece, for covering unused female connectors,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

## assembly

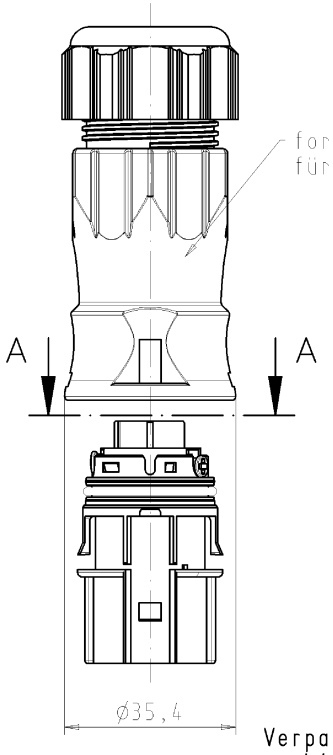
| item no. | type | description |
|---|---|---|
| 96.032.5053.9 | device connector RST20I3S S1 M01V BL0 | RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model male, connection type screw connection, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.032.6153.9 | device connector RST20I3S S1 M03V BL0 | RST® CLASSIC device connector, modular, straight, M16, number of poles 3, model male, connection type screw connection, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.032.6053.9 | device connector RST20I3S S1 M00V BL0 | RST® CLASSIC device connector, modular, straight, M20, number of poles 3, model male, connection type screw connection, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.034.6053.9 | device connector RST20I3S S1 M90V BL0 | RST® CLASSIC device connector, modular, angled 90°, M20, number of poles 3, model male, connection type screw connection, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.036.6153.9 | device connector RST20I3S B1 M13 BL07 | RST20i3 device connector (7° angled) M16, 3 pole, male, screw connection, modular, application 250/400V, 20A, coding color light blue, color of housing black |

technical drawing



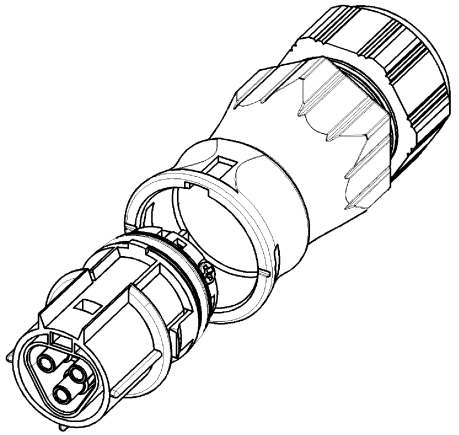

## Auslieferungszustand
## delivery status




Verpackungseinheit: je 100 Stück
packing unit: per 100

A-A





| Teile-Nr./ part-nr. | Farbe:/ color: | Type |
|---|---|---|
| 96.031.4553.9 | lichtblau, ähnl.RAL 5012/ lightblue, similar to RAL 5012 | RST2013S B1 ZR3S BL04 |

Toleranzierung nach DIN 7167/Tolerance system acc. to DIN 7167.
[This DIN-standard desbribes 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 UU-TGM-05/03 ist einzuhalten.
Conformity with Wieland document UU-TGM-05/03 [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: Sheet: 1 von of 1

Werkstoff/Material

Maßstab/Scale 1:1

| | Tag/Date | Name |
|---|---|---|
| 2007 | | |
| gezeichnet drawn | 24.08. | Hollet |
| geprüft checked | - | - |
| Normgeprüft Stand. check | - | - |

Zeichnung Nr./Drawing No. T 96.031.4553.9 01K

Index

Maße in mm/Dimensions are in mm

Vol. mm³ Ofl./Surf. mm²

Ersatz für/Replacement for: -

Type

Benennung/Title

BUCHSENTEIL_MIT_ZUGENTLASTUNG_

female connetor with cord grip
Schraubanschluß ohne Drahtschutz/screw-connection without wire protection
Kodierung/keying 7 (250V/20A) Schaltanwendung/switching's application

wieland
Elektrische Verbindungen

Index | Datum / Blatt Date / Sheet | Änderung/Revision

OU-PEM-08/91

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet.
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 Æ marked dimensions are only valid for internal use

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

9603145539101K_4 C4DW1019 Morgen 2007-08-31T08:38:38 1.000