product data sheet

item no. 9L.171.0053.9

# connector RST20I7C 11 ZR1 BL07

RST20i7 Connector, straight, number of poles 7, female, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 6 - 10 mm, longitudinal sealing yes, color of coding/ contact carrier light blue



| | |
|---|---|
| item no. | 9L.171.0053.9 |
| EAN | 4049088425769 |
| order unit | 100 piece(s) |

## certificates / approvals

## technical data

**note**

| | |
|---|---|
| note | crimp contacts have to ordered separately (under fits with)3 poles max. 20A, 4 poles max. 5AUse only one connector with contact sealing - either male or female connector. |

**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, 4/N, 5, 6, 7 |
| color of housing inclusive strain relief | black |

**connection data**

| | |
|---|---|
| cable diameter max. | 10 mm |
| cable diameter min. | 6 mm |
| connection cross section fine stranded mm² max. | 2.5 mm² |
| connection cross section fine stranded mm² min. | 0.75 mm² |
| terminations per pole | 1 |
| sheath strip length | 32 mm |
| wire strip length | 7 mm |

**model**

| | |
|---|---|
| model | female |
| connection type | crimp |
| degree of protection (IP) | IP66/68 (3m;2h) /IP69 |
| longitudinal sealing | yes |

**material**

| | |
|---|---|
| housing material | polyamide |
| halogen free | yes |
| contact material | CuZn |
| fire load | 0.318 kWh |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

| | |
|---|---|
| length | 84 mm |
| width | 34.6 mm |
| height | 34.6 mm |

## accessories

| item no. | type | description |
|---|---|---|
| 06.562.8753.0 | manual disconnect RST20i7 BG | Manual disconnect for later installation of RST20i7/i6 connectors, color concrete gray |
| 02.127.1121.8 | female contact CRIMP RST20i6/i7 1,0QMM | RST20i7/6 crimp contact, female, 20A, for cross section 0.75 mm² - 1.0 mm² |
| 02.127.1221.8 | female contact CRIMP RST20i6/i7 1,5QMM | RST20i7/6 crimp contact, female, 20A, for cross section 0.75 mm² - 1.5 mm² |
| 02.127.1321.8 | female contact CRIMP RST20i6/i7 2,5QMM | RST20i7/6 crimp contact, female, 20A, for cross section 2.5 mm² |
| 99.589.0000.7 | cover for female connector SW | RST20i7/6 cover piece, for covering unused female connectors, with fastening belt, color black |
| Z5.569.5253.1 | cover for female connector SW | RST20i7/6 cover piece, for covering unused female connectors, color black |

## assembly

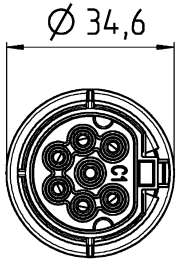
| item no. | type | description |
|---|---|---|
| 96.172.0053.9 | connector RST20I7C S1 ZR1 BL07 | RST20i7 Connector, straight, number of poles 7, male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier light blue |
| 96.174.2053.9 | device connector RST20I7C S1 M90V BL07 | RST20i7 Device connector, modular, angled 90°, M20, number of poles 7, model male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.172.2153.9 | device connector RST20I7C S1 M03V BL07 | RST20i7 Device connector, modular, straight, M16, number of poles 7, model male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.172.2053.9 | device connector RST20I7C S1 M00V BL07 | RST20i7 Device connector, modular, straight, M20, number of poles 7, model male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.174.2253.9 | device connector RST20I7C S1 M91V BL07 | RST20i7 Device connector, modular, angled 90°, M25, number of poles 7, model male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.176.2153.9 | device connector RST20I7C S1 M13V BL07 | RST20i7 Device connector, modular, angled 7°, M16, number of poles 7, model male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |
| 96.172.2253.9 | device connector RST20I7C B1 M01V BL07 | RST20i7 Device connector, modular, straight, M25, number of poles 7, model male, connection type Crimp, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier light blue |

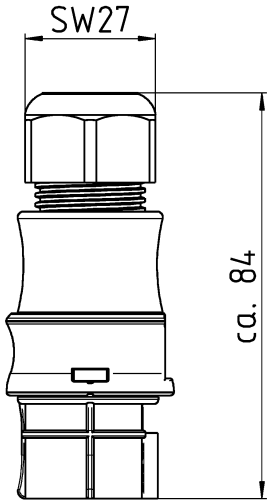
technical drawing

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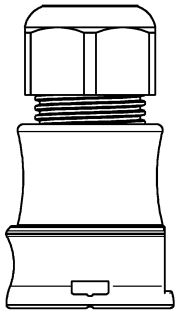
Diese Maße werden bei Abnahme besonders geprüft
Ausschließlich Prüfmaße
Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig

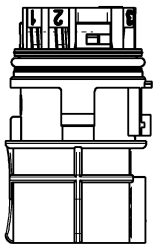
These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

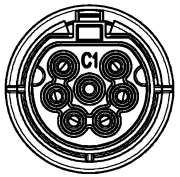


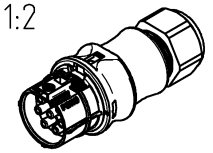

Auslieferungszustand
/delivery status





| Teile-Nr./ Part no. | Typ/ Type | | Kodierung/ coding |
|---|---|---|---|
| 96.171.0053.0 | RST2017C B1 ZR1 | GL |  |
| 96.171.0053.1 | RST2017C B1 ZR1 | SW | |
| 9L.171.0053.0 | RST2017C 11 ZR1 | GL | |
| 9L.171.0053.1 | RST2017C 11 ZR1 | SW | |
| 96.171.0053.9 | RST2017C B1 ZR1 | BL07 |  |
| 9L.171.0053.9 | RST2017C 11 ZR1 | BL07 | |
| 96.161.0053.6 | RST2016C B1 ZR1 | TB04 |  |
| 9L.161.0053.6 | RST2016C 11 ZR1 | TB04 | |
| 96.171.0053.6 | RST2017C B1 ZR1 | TB04 |  |
| 9L.171.0053.6 | RST2017C 11 ZR1 | TB04 | |

1:2



● = Pol verschlossen /pole closed

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

Vol. mm³ Oft./Srf. mm²

| | Tag/Date | Name |
|---|---|---|
| gezeichnet drawn | 17.11.2017 | Hollet |
| geprüft checked | | |
| Normgeor. Stand. check | | |

Zeichnung Nr. / Drawing No.: 96.171.0053.0 13K

Index: a

Maße in mm / Dimensions are in mm

Ersatz für / Replacement for:

| Index | Datum / Blatt Date / Sheet | Änderung / Revision |
|---|---|---|
| a. | 14.05.2018 / | |

wieland
www.wieland-electric.com

Type: RST20I

Bennenung/Title: BU_CRIMP
female, crimp