product data sheet

item no. 96.032.0253.1

# connector RST20I3F S2 ZRX V SW

RST® CLASSIC connector, splitter connector, number of poles 3, male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier black



| | |
|---|---|
| item no. | 96.032.0253.1 |
| EAN | 4015573993334 |
| order unit | 100 piece(s) |

## certificates / approvals

## technical data

**note**

| | |
|---|---|
| note | fine stranded and stranded conductors require cable end sleeve |

**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 |
| RAL-Nummer Codierung/Kontakteinsatz | 9005 |

**connection data**

| | |
|---|---|
| cable diameter max. | 10 mm |
| cable diameter min. | 6 mm |
| connection cross section solid mm² max. | 2.5 mm² |
| connection cross section solid mm² min. | 0.5 mm² |
| connection cross section fine stranded mm² max. | 1.5 mm² |
| connection cross section fine stranded mm² min. | 0.5 mm² |
| terminations per pole | 2 |
| connection cross section stranded mm² min. | 0.75 mm² |
| connection cross section stranded mm² max. | 1.5 mm² |
| sheath strip length | 50 mm |
| wire strip length | 14.5 mm |

**model**

| | |
|---|---|
| model | male |
| connection type | spring clamp connection |

| | |
|---|---|
| degree of protection (IP) | IP66/68 (3m;2h) /IP69 |

**material**

| | |
|---|---|
| housing material | polyamide |
| halogen free | yes |
| contact material | CuZn |
| fire load | 0.496 kWh/St |
| insulation components continous temperature | 100 °C |
| surface finish | silver-plated |

**dimensions**

| | |
|---|---|
| length | 93 mm |
| width | 59 mm |
| height | 38 mm |

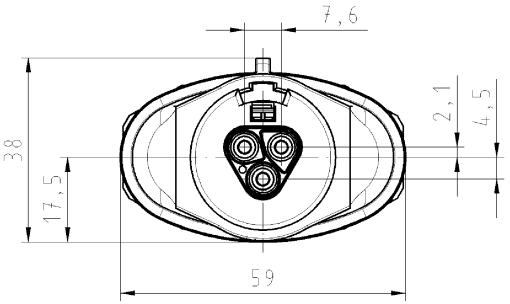
## accessories

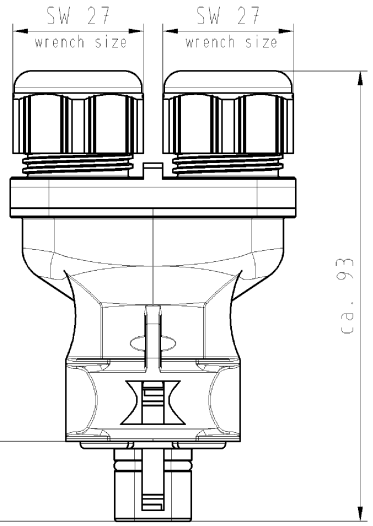
| item no. | type | description |
|---|---|---|
| 05.564.4453.1 | cover for male connector SW | RST20i3/2 cover piece, for covering unused male connectors, color black |
| 99.416.6205.2 | cover for male connector SW | RST20i3/2 cover piece, for covering unused male connectors, with fastening belt, color black |
| 06.502.4300.0 | screwdriver DIN 5264 A 0,4 X 2,5 | Screw driver according to DIN 5264 A, blade: 0.4x2.5 mm, long and straight version |
| 95.101.1300.0 | ferrule crimping tool 0,08 - 10 mm² | Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm², length of tool: 180 mm |
| 06.600.3627.0 | ferrule DIN 46228-E1-12 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 1.0 mm²/AWG17 |
| 06.600.3727.0 | ferrule DIN 46228-E0,75-12 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 0.75-1.0 mm²/AWG17 |
| 06.600.3827.0 | ferrule DIN 46228-E0,5-10 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 0.5 mm²/AWG20 |
| 06.600.3927.0 | ferrule DIN 46228-E1,5-12 | RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm²/AWG16 |

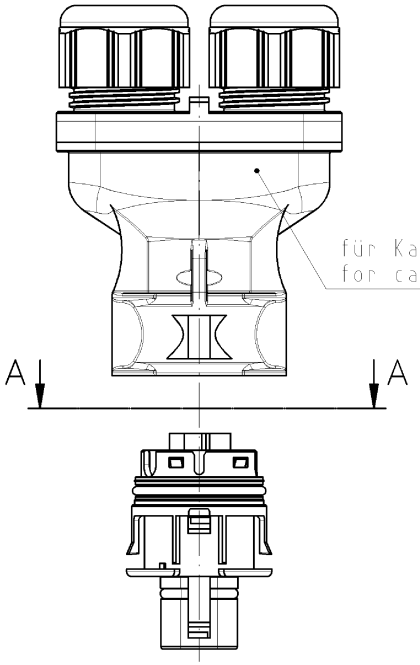
## assembly

| item no. | type | description |
|---|---|---|
| 96.030.0153.1 | distributor RST20I3V 3P1 F V SW | RST® CLASSIC distributor, parallel connection, with fastening option, number of poles 3, rated voltage 250 V, rated current 20 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier black |
| 96.031.1053.1 | device connector RST20I3F B2 M01 SW | RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |
| 96.031.0253.1 | connector RST20I3F B2 ZRX SW | RST® CLASSIC connector, splitter connector, number of poles 3, female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier black |
| 96.031.2153.1 | device connector RST20I3F B2 M03 SW | RST® CLASSIC device connector, modular, straight, M16, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |
| 96.031.2053.1 | device connector RST20I3F B2 M00 SW | RST® CLASSIC device connector, modular, straight, M20, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |
| 96.033.2053.1 | device connector RST20I3F B2 M90 SW | RST® CLASSIC device connector, modular, angled 90°, M20, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |
| 96.035.2153.1 | device connector RST20I3F B2 M13 SW | RST® CLASSIC device connector, modular, angled 7°, M16, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black |

technical drawing

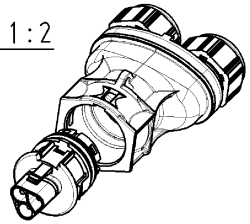



Schnitt/section A-A





M 1:2

| Teile-Nr. part-no. | Farbe colour | Einz.-Tl.-Nr. single part-no. *) |
|---|---|---|
| 96.032.0253.0 | grau/grey | ..._..._...._0 |
| 96.032.0253.1 | schwarz/black | ..._..._...._1 |

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 VU-TQM-05/03 ist einzuhalten. Conformity with Wieland document VU-TQM-05/03 [list of prohibited / declarable hazardous substances] to be declared!

Freitoleranz nach General tolerance: DIN ISO 2768 - m

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 Ofl./Surf. mm²

| | 2007 | Tag/Date | Name |
|---|---|---|---|
| gezeichnet / drawn | | 29.10. | Duetsch |
| geprüft / checked | | - | - |
| Normgeprüft / Stand. check | | - | - |

Zeichnung Nr./Drawing No.: T 96.032.0253.0 01K

Index

Maße in mm/Dimensions are in mm

Ersatz für/Replacement for: -

wieland Elektrische Verbindungen

Type: RST2013 F S2 ZRX V

Benennung/Title: MALE CONNECTOR WITH TWIN CORD GRIP
STECKERTEIL_MIT_DOPPELZUGENTLA
mit Federkraftanschluß
with spring clamp-connection

Index / Datum / Blatt / Date / Sheet

Änderung/Revision

OU-PEM-08/91

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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

9603202530 01K_4 C4DW1045 duetsch 2007-10-29 T13:37:22 1.000