

## Data sheet

Commercial Art.No.: 96.031.1055.7

device connector RST20I3F B2 M01 H GN0

RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model female, connection type spring clamp connection, rated voltage 250 V / 400 V, rated current 20 A, color of coding/ contact carrier leaves green



|                    |               |
|--------------------|---------------|
| Commercial Art.No. | 96.031.1055.7 |
| EAN                | 4015573875289 |
| Order Unit         | 1             |

certificates / approvals



## Technical data

### general

|                                  |                                  |
|----------------------------------|----------------------------------|
| rated current                    | 20 A                             |
| rated voltage                    | 250 V / 400 V                    |
| pollution degree                 | 3                                |
| rated impulse voltage            | 4 kV                             |
| continuity resistor              | 0.8 mOhm                         |
| lockable                         | self-locking (unlocking by tool) |
| color of coding/ contact carrier | leaves green                     |
| Pole codification                | 1, 2, PE                         |

### connection data

|                                                 |         |
|-------------------------------------------------|---------|
| 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       |
| wire strip length                               | 14.5 mm |

### technical data UL

|                                            |        |
|--------------------------------------------|--------|
| rated voltage UL                           | 600 V  |
| rated current UL                           | 20 A   |
| connection cross section solid AWG min.    | 20 AWG |
| connection cross section solid AWG max.    | 14 AWG |
| connection cross section stranded AWG min. | 20 AWG |

|                                            |              |
|--------------------------------------------|--------------|
| connection cross section stranded AWG max. | 14 AWG       |
| degree of protection (NEMA)                | 4, 4X, 6, 6P |

#### model

|                                           |                         |
|-------------------------------------------|-------------------------|
| model                                     | female                  |
| connection type                           | spring clamp connection |
| connecting thread metric                  | M25                     |
| angle of plug                             | straight                |
| degree of protection (IP)                 | IP66/68 (3m;2h) /IP69   |
| thickness of housings (electrical device) | 0.5 mm                  |
| thickness of housings (electrical device) | 8 mm                    |

#### material

|                                              |               |
|----------------------------------------------|---------------|
| housing material                             | polyamide     |
| halogen free                                 | yes           |
| contact material                             | CuZn          |
| fire load                                    | 0.136 kWh/St  |
| insulation components continuous temperature | 100 °C        |
| surface finish                               | silver-plated |

#### dimensions

|        |         |
|--------|---------|
| length | 46.6 mm |
| width  | 35 mm   |
| height | 35 mm   |

#### note

|      |                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------|
| note | fine stranded and stranded conductors require cable end sleeve; positioning realised with flattened thread |
|------|------------------------------------------------------------------------------------------------------------|

#### classification

|            |          |
|------------|----------|
| ECLASS 11  |          |
| ECLASS 8.1 | 27440602 |
| ETIM 9.0   | EC002566 |
| ETIM 8.0   | EC002566 |
| ETIM 7.0   | EC002566 |
| ETIM 6.0   | EC002566 |
| ETIM 5.0   | EC002566 |
| ETIM 4.0   | EC002566 |

#### product compliance

|                              |                    |
|------------------------------|--------------------|
| ROHS conformity status       | compliant/exempted |
| ROHS exceptions              | III-6(c)           |
| REACH-SVHC conformity status | Duty-To-Declare    |
| REACH-SVHC substances        | Plumbum            |
| REACH-SVHC CAS numbers       | 7439-92-1          |

## Accessories

| Commercial Art.No.: | Article-type description: | Description: |
|---------------------|---------------------------|--------------|
|---------------------|---------------------------|--------------|

|               |                                                 |                                                                                                                                 |
|---------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 mm <sup>2</sup> | Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm <sup>2</sup> , 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 mm <sup>2</sup> /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 mm <sup>2</sup> /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 mm <sup>2</sup> /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 mm <sup>2</sup> /AWG16                     |
| 05.566.5253.1 | distance ring RST                               | RST20/25 distance ring, for device connectors to ensure unlocking with screwdriver, color black                                 |
| 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                                                       |
| 05.568.8853.1 | distance ring RST                               | RST20/25 distance ring, for device connectors to ensure unlocking without tool,color black                                      |

## Fits with

| Commercial Art.No.: | Article-type description:         | Description:                                                                                                                                                                                                                   |
|---------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 96.032.0055.7       | connector RST20i3F S2 ZR1SVH GN0  | RST® CLASSIC connector, straight, number of poles 3, male, connection type spring clamp connection, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier leaves green   |
| 96.032.0155.7       | connector RST20i3F S2 ZR2SVH GN0  | RST® CLASSIC connector, straight, number of poles 3, male, connection type spring clamp connection, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 10 - 14 mm, color of coding/ contact carrier leaves green  |
| 96.034.0055.7       | connector RST20i3F S2 YR1SVH GN02 | RST® CLASSIC connector, angled 90°, number of poles 3, male, connection type spring clamp connection, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier leaves green |
| 96.032.0555.7       | connector RST20i3F S2 ZR3SVH GN02 | RST® CLASSIC connector, straight, number of poles 3, male, connection type spring clamp connection, rated voltage 250 V / 400 V, rated current 20 A, cable diameter 13 - 18 mm, color of coding/ contact carrier leaves green  |
| 96.034.0155.7       | connector RST20i3F S2 YR2SVH GN02 | RST20i3 connector (90° angled), 3 pole, male, spring clamp connection, application 250/400V with PE, 20A, for cable diameters 10-14mm, coding color leaf green, color of housing black                                         |

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

Offnungsmassbild siehe 96.031.1053.1 14K  
opening dimension see 96.031.1053.1 14K

Auslieferungszustand  
delivery status

Verpackungseinheit: je 100 Stück  
packaging unit: per 100

|                                                                                        |                        |                                                        |
|----------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------|
| 96.031.1055.7                                                                          | RST2013F B2 M01 H GN02 | grün<br>/green                                         |
| Bestellnummer<br>/Order number                                                         | Typ<br>/Type           | Farbe<br>/color                                        |
| Weitere Daten siehe KATALOG oder eKatalog.<br>Additional data see CATALOG or eCatalog. |                        | www.wieland-electric.com<br>eshop.wieland-electric.com |

|                                                                                                                                                                                                                                           |                               |                                                                                               |                           |                                                                                                                                                                                                                                               |                                                    |                                 |  |       |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|--|-------|--|--|
| Tolerierung Size ISO 14405(®)/Tolerance system Size ISO 14405(®).<br>(This ISO-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances). |                               |                                                                                               |                           | nein/no <input checked="" type="checkbox"/> Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.<br>Conformity with Wieland document WN 5020.010 e (list of prohibited /<br>deklarable hazardous substances) to be declared! |                                                    |                                 |  |       |  |  |
| Freitoleranz nach<br>General tolerance                                                                                                                                                                                                    |                               | CAD - Zeichnung, keine manuellen Änderungen<br>CAD - drawing, no manual modifications allowed |                           | 1.Verwendung: -<br>First Use:                                                                                                                                                                                                                 |                                                    | Blatt: 1 von 1<br>Sheet: of     |  |       |  |  |
|                                                                                                                                                                                                                                           | /                             | Werkstoff/Material                                                                            | 2015                      | Tag/Date                                                                                                                                                                                                                                      | Name                                               | Zeichnung Nr./Drawing No.       |  | Index |  |  |
|                                                                                                                                                                                                                                           | /                             |                                                                                               | gezeichnet<br>drawn       | 06.07.                                                                                                                                                                                                                                        | HoffmannT                                          |                                 |  |       |  |  |
|                                                                                                                                                                                                                                           | /                             |                                                                                               | geprüft<br>checked        | -                                                                                                                                                                                                                                             | -                                                  | Maße in mm/Dimensions are in mm |  |       |  |  |
|                                                                                                                                                                                                                                           | /                             |                                                                                               | Normgepr.<br>Stand. check | -                                                                                                                                                                                                                                             | -                                                  |                                 |  |       |  |  |
|                                                                                                                                                                                                                                           | /                             | Vol.                                                                                          | mm³                       | OfI./Surf.                                                                                                                                                                                                                                    | mm²                                                | Ersatz für/Replacement for: -   |  |       |  |  |
|                                                                                                                                                                                                                                           | /                             | wieland<br>www.wieland-electric.com                                                           |                           | Type                                                                                                                                                                                                                                          | Benennung/Title<br>BUCHSENTEIL<br>female connector |                                 |  |       |  |  |
| Index                                                                                                                                                                                                                                     | Datum / Blatt<br>Date / Sheet |                                                                                               |                           |                                                                                                                                                                                                                                               |                                                    |                                 |  |       |  |  |
| Änderung/Revision                                                                                                                                                                                                                         |                               |                                                                                               |                           |                                                                                                                                                                                                                                               |                                                    |                                 |  |       |  |  |

960311055713K\_1 CADW3034 HoffmannT 2015-07-15T11:49:25 1.000

3

4

5

6 QU-MEE-01/14 -