

## Straight plug for cable bend relief

### General information

|                   |                     |
|-------------------|---------------------|
| Part number       | S20F1C-P03MJG0-450S |
| Termination       | Solder              |
| Size              | 0                   |
| Locking principle | Push-Pull           |
| Coding            | 1 (half-shell)      |
| Cable Diameter    | 4 – 4.5 mm          |
| Cable outlet      | Cable bend relief   |



Illustrations may differ from original product.  
Dimensions, unless otherwise specified, in mm.



The pin layout corresponds to the view on the termination area

### Contact insert description

|                      |         |
|----------------------|---------|
| Number of contacts   | 3       |
| Contact type         | Pins    |
| Contact diameter     | 0.9 mm  |
| Insulator material   | PEEK    |
| Wire cross section   | AWG 22  |
| Termination          | Solder  |
| Termination diameter | 0.85 mm |

Reverse gender on request

### Technical information

|  |                             |  |
|--|-----------------------------|--|
| Max. creepage and air clearance distance | 0.6 mm [Contact to contact] | 0.9 mm [Contact to housing]                |
| Nominal current single contact           | 7.5 A                       | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Nominal current insert                   | 7,5 A                       | VDE 0298-4:2003                            |
| Test voltage                             | 1.2 kV AC                   | SAE AS 13441:1998 method 3001.1            |

All shown connectors are rated to a safety extra low voltage (SELV) of less than 50 V AC / 75 V DC, according to IEC 61140:2016 (VDE 0140-1:2016) Protection against electric shock - Common aspects for installation and equipment. In case other standards rule a specific use of the connector, the application specific safety criteria shall be considered first. In this context, lower voltage ratings may be valid. Warning: Danger to life for operating voltages above 50 V AC / 120 V DC!

## Mechanical and environmental data

|                       |                 |
|-----------------------|-----------------|
| Degree of protection* | IP50            |
| Operating temperature | -40 °C – 120 °C |
| Mating cycles         | 5000            |

\*mated & unmated condition

## Material and surface treatments

|         |                                  |
|---------|----------------------------------|
| Housing | Cu-alloy with matt chrome finish |
| Contact | Cu-alloy with gold finish        |

All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).  
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