

Straight plug for cable bend relief

General information

| | |
|-------------------|---------------------|
| Part number | S42B0C-P18MFG0-850S |
| Termination | Solder |
| Size | 2 |
| Locking principle | Push-Pull |
| Coding | 0° |
| Cable Diameter | 8 – 8.5 mm |
| Cable outlet | Cable bend relief |



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

CODING: 0°

POSITIONS: 18 positions

DIMENSIONS:

The pin layout corresponds to the view on the termination area

Contact insert description

| | |
|----------------------|---------|
| Number of contacts | 18 |
| Contact type | Pins |
| Contact diameter | 0.7 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 | 0.5 mm (Contact to contact) | 1 mm (Contact to housing) |
| | Nominal current single contact | 7.5 A |
| Nominal current insert | 3,75 A | VDE 0298-4:2003 |
| Test voltage | 0.9 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* | IP68 |
| Operating temperature | -40 °C – 120 °C |
| Mating cycles | 5000 |

*mated 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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ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.