

S31B0C-P07MFG0-5500

odu\_mini\_snap®\_series\_b

## straight\_push\_pull\_plug

size: 1, IP68, keying: 0, number\_of\_contacts: 7, solder\_cup, contact\_type: pins, Signal



### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | S31B0C-P07MFG0-5500 |
| Category           | connector           |
| Type of connector  | plug                |
| Assembly situation | straight            |
| Size               | 6b86b2              |

### Contact insert description

|                        |            |
|------------------------|------------|
| Transmission type      | Signal     |
| Number of contacts     | 7          |
| Contact type           | pins       |
| Contact diameter       | ec72e6     |
| Termination type       | solder_cup |
| Termination diameter   | 08561d     |
| Wire cross section AWG | 374cb3     |

### Technical information

|                                              |                             |                                            |
|----------------------------------------------|-----------------------------|--------------------------------------------|
| Max. current single contact                  | 4232cc                      | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 4.875                       | VDE 0298-4:2003                            |
| Test voltage                                 | 1 kV AC                     | SAE AS 13441:1998 method 3001.1            |
| Max. creepage distance (contact to contact)  | 0.7 mm (Contact to housing) |                                            |
| Max. creepage distance (contact to housing)  | 1.0 mm (Contact to housing) |                                            |
| Max. clearance distance (contact to contact) | 0.7 mm (Contact to contact) |                                            |
| Max. clearance distance (contact to housing) | 1.0 mm (Contact to housing) |                                            |

### Cable description

|                     |          |
|---------------------|----------|
| Cable outlet        | back_nut |
| Min. cable diameter | 5        |
| Max. cable diameter | 5.5      |

**Mechanical and environmental data**

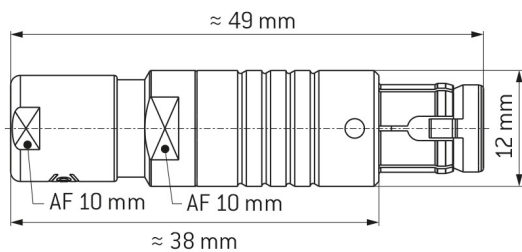
|                            |           |
|----------------------------|-----------|
| Locking principle          | push_pull |
| Mating cycles              | 9e1839    |
| IP class                   | IP68      |
| Max. operating temperature | 120 °C    |
| Min. operating temperature | -40 °C    |
| Weight                     | 20.2 g    |

ip\_protection\_class\_refers\_to\_mated\_condition

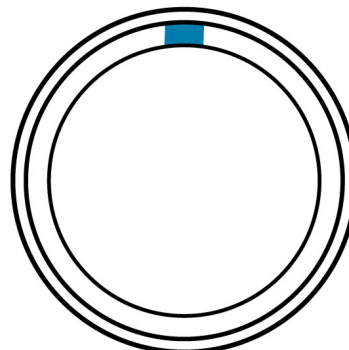
**Material and surface treatments**

|                  |                                  |
|------------------|----------------------------------|
| Material         | cu_alloy_with_matt_chrome_finish |
| Contact material | gold                             |

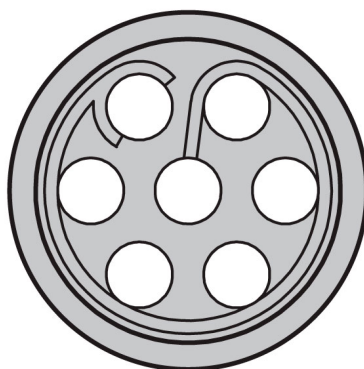
## DIMENSIONS:



## CODING: 0°



## POSITIONS: 7 Positions



## Further technical information and downloads

[3D-File \[STP File\]](#)

[Assembly Instruction](#)