



## Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | S31B0C-P14MCC0-5000 |
| Category           | connector           |
| Type of connector  | plug                |
| Assembly situation | straight            |
| Size               | 1                   |

## Contact insert description

|                        |            |
|------------------------|------------|
| Transmission type      | Signal     |
| Number of contacts     | 14         |
| Contact type           | pins       |
| Contact diameter       | 0.5 mm     |
| Termination type       | solder_cup |
| Termination diameter   | 0.45 mm    |
| Wire cross section AWG | AWG 28     |

## Technical information

|                                              |                             |                                            |
|----------------------------------------------|-----------------------------|--------------------------------------------|
| Nominal current single contact               | 4 A                         | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 2                           | VDE 0298-4:2003                            |
| Test voltage                                 | 0.9 kV AC                   | SAE AS 13441:1998 method 3001.1            |
| Max. creepage distance (contact to contact)  | 0.5 mm (Contact to housing) |                                            |
| Max. creepage distance (contact to housing)  | 0.9 mm (Contact to housing) |                                            |
| Max. clearance distance (contact to contact) | 0.5 mm (Contact to contact) |                                            |
| Max. clearance distance (contact to housing) | 0.9 mm (Contact to housing) |                                            |

## Cable description

|                     |          |
|---------------------|----------|
| Cable outlet        | back_nut |
| Min. cable diameter | 4.5      |
| Max. cable diameter | 5        |

**Mechanical and environmental data**

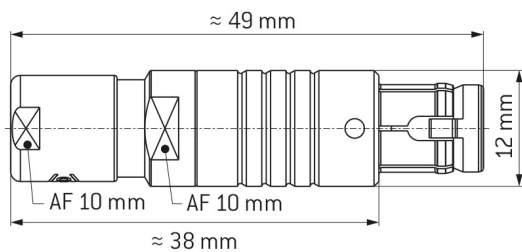
|                            |           |
|----------------------------|-----------|
| Locking principle          | push_pull |
| Mating cycles              | 5000      |
| IP class                   | IP68      |
| Max. operating temperature | 120 °C    |
| Min. operating temperature | -40 °C    |

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

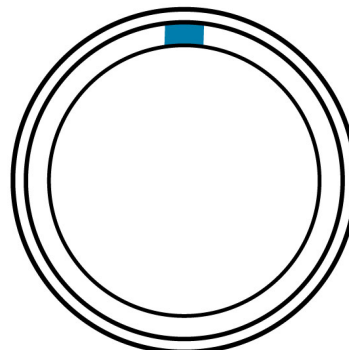
**Material and surface treatments**

|                    |                                  |
|--------------------|----------------------------------|
| Material           | cu_alloy_with_matt_chrome_finish |
| Insulator material | peek                             |
| Contact material   | cu_alloy_with_gold_finish        |

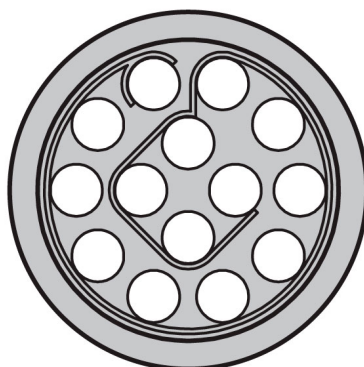
## DIMENSIONS:



## CODING: 0°



## POSITIONS: 14 Positions



### Further technical information and downloads

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

[Assembly Instruction](#)