

**straight\_push\_pull\_plug\_for\_bend\_relief**

size: 1, IP64, keying: c, number\_of\_contacts: 12, solder\_cup, contact\_type: pins, Signal

**Basic information**

|                    |                     |
|--------------------|---------------------|
| Part number        | S41MC7-P12MCC9-527S |
| Category           | connector           |
| Type of connector  | plug                |
| Assembly situation | straight            |
| Size               | 1                   |

**Contact insert description**

|                        |                             |
|------------------------|-----------------------------|
| Special features       | iec_60601_1_2_mopp_&_2_moop |
| Transmission type      | Signal                      |
| Number of contacts     | 12                          |
| 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                          | 2.2                         | VDE 0298-4:2003                            |
| Test voltage                                 | 0.65 kV AC                  | EIA-364-20F:2019-02                        |
| Max. creepage distance (contact to contact)  | 0.5 mm (Contact to housing) |                                            |
| Max. creepage distance (contact to housing)  | IEC 60601-1: 2MOPP, 2MOOP*  |                                            |
| Max. clearance distance (contact to contact) | 0.5 mm (Contact to contact) |                                            |
| Max. clearance distance (contact to housing) | IEC 60601-1: 2MOPP, 2MOOP*  |                                            |

**Cable description**

|                     |                   |
|---------------------|-------------------|
| Cable outlet        | cable_bend_relief |
| Min. cable diameter | 4                 |
| Max. cable diameter | 5.2               |

**Mechanical and environmental data**

|                            |            |
|----------------------------|------------|
| Locking principle          | push_pull  |
| Keying                     | coding_60° |
| Mating cycles              | 2.000      |
| IP class                   | IP64       |
| Max. operating temperature | 120 °C     |
| Min. operating temperature | -50 °C     |
| Weight                     | 9.999 g    |

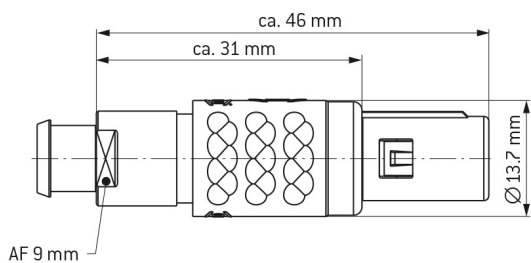
ip\_protection\_class\_refers\_to\_mated\_condition

**Material and surface treatments**

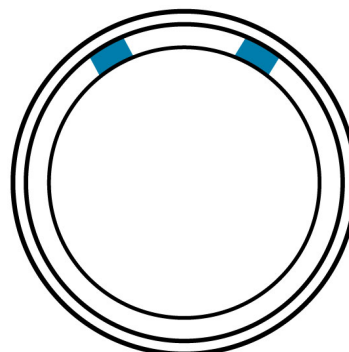
|                                  |                           |
|----------------------------------|---------------------------|
| Material                         | psu_gray                  |
| Contact material                 | cu_alloy_with_gold_finish |
| Color option (Front or back nut) | gray                      |

**Insulator materials MEDI-SNAP®**  
psu\_peek

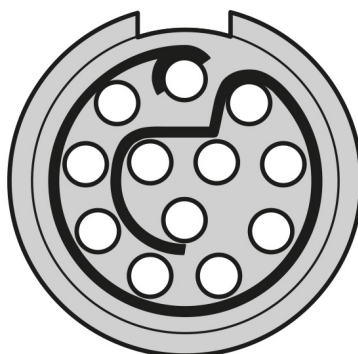
## DIMENSIONS:



## CODING: 60°



## POSITIONS: 12 positions



## Further technical information and downloads

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

[Assembly Instruction](#)