

## receptacle\_with\_break\_away\_and\_push\_pull\_locking\_for\_front\_or\_rear\_panel\_mounting

size: 1, IP50, keying: a, number\_of\_contacts: 5, pcb, contact\_type: sockets, Signal

### Basic information

|                    |                                              |
|--------------------|----------------------------------------------|
| Part number        | G51MA8-P05QJ00-0070                          |
| Category           | connector                                    |
| Type of connector  | receptacle                                   |
| Assembly situation | front_panel_mounting,<br>rear_panel_mounting |
| Size               | 1                                            |

### Contact insert description

|                      |                             |
|----------------------|-----------------------------|
| Special features     | iec_60601_1_1_mopp_&_2_moop |
| Transmission type    | Signal                      |
| Number of contacts   | 5                           |
| Contact type         | sockets                     |
| Contact diameter     | 0.9 mm                      |
| Termination type     | pcb                         |
| Termination diameter | 0.7 mm                      |

### Technical information

|                                              |                             |                                            |
|----------------------------------------------|-----------------------------|--------------------------------------------|
| Max. current single contact                  | 7.5 A                       | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 5.625                       | VDE 0298-4:2003                            |
| Test voltage                                 | 1.05 kV AC                  | EIA-364-20F:2019-02                        |
| Max. creepage distance (contact to contact)  | 0.8 mm (Contact to housing) |                                            |
| Max. creepage distance (contact to housing)  | IEC 60601-1: 1MOPP. 2MOOP*  |                                            |
| Max. clearance distance (contact to contact) | 0.8 mm (Contact to contact) |                                            |
| Max. clearance distance (contact to housing) | IEC 60601-1: 1MOPP. 2MOOP*  |                                            |

**Mechanical and environmental data**

|                            |                        |
|----------------------------|------------------------|
| Locking principle          | break_away , push_pull |
| Keying                     | a                      |
| Mating cycles              | 5000                   |
| IP class                   | IP50                   |
| Max. operating temperature | 120 °C                 |
| Min. operating temperature | 50 °C                  |

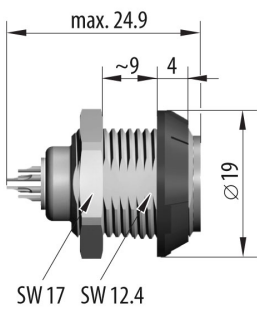
**Material and surface treatments**

|                                  |                           |
|----------------------------------|---------------------------|
| Material                         | psu_black                 |
| Insulator material               | peek                      |
| Contact material                 | cu_alloy_with_gold_finish |
| Color option (Front or back nut) | gray                      |

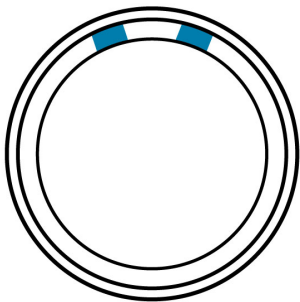
**Insulator materials MEDI-SNAP®**

psu\_peek\_o\_a

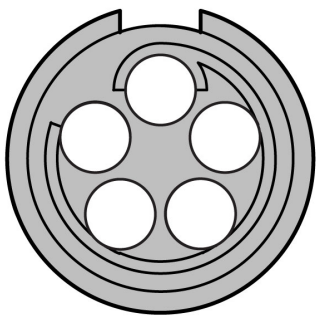
DIMENSIONS



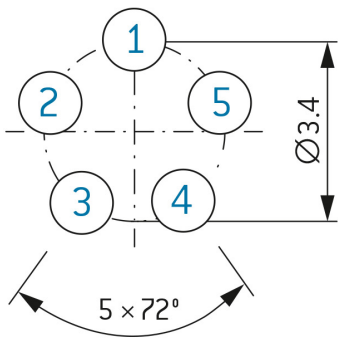
CODING: 40°



POSITIONS: 5 Positions

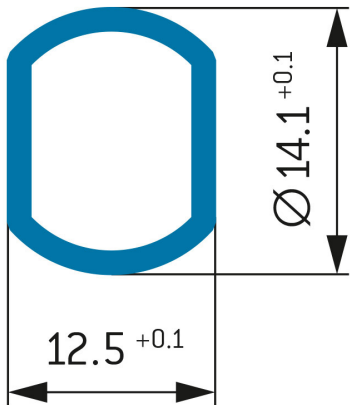


PCB-LAYOUT:



Borehole 0.8 mm

PANEL CUT OUT:



## Further technical information and downloads

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