

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

size: 1, IP68, keying: a, number\_of\_contacts: 8, pcb, contact\_type: sockets, Signal



### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | G81LAC-P08QF00-0000 |
| Category           | connector           |
| Type of connector  | receptacle          |
| Assembly situation | rear_panel_mounting |
| Size               | 1                   |

### Contact insert description

|                      |         |
|----------------------|---------|
| Transmission type    | Signal  |
| Number of contacts   | 8       |
| Contact type         | sockets |
| Contact diameter     | 0.7 mm  |
| Termination type     | pcb     |
| Termination diameter | 0.5 mm  |

### Technical information

|                                              |                             |                                            |
|----------------------------------------------|-----------------------------|--------------------------------------------|
| Nominal current single contact               | 6 A                         | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert                          | 3.9                         | VDE 0298-4:2003                            |
| Test voltage                                 | 1 kV AC                     | SAE AS 13441:1998 method 3001.1            |
| Max. creepage distance (contact to contact)  | 0.6 mm (Contact to housing) |                                            |
| Max. creepage distance (contact to housing)  | 1.1 mm (Contact to housing) |                                            |
| Max. clearance distance (contact to contact) | 0.6 mm (Contact to contact) |                                            |
| Max. clearance distance (contact to housing) | 1.1 mm (Contact to housing) |                                            |

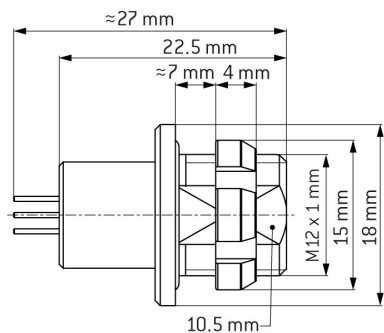
**Mechanical and environmental data**

|                            |                        |
|----------------------------|------------------------|
| Locking principle          | break_away , push_pull |
| Keying                     | coding_30°             |
| Mating cycles              | 5.000                  |
| IP class                   | IP68                   |
| Max. operating temperature | 120 °C                 |
| Min. operating temperature | -40 °C                 |
| Tightening torque          | 2.5 Nm                 |
| Weight                     | 12 g                   |

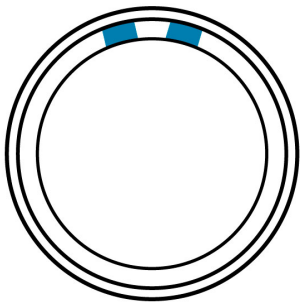
**Material and surface treatments**

|                  |                                  |
|------------------|----------------------------------|
| Material         | cu_alloy_with_matt_chrome_finish |
| Contact material | cu_alloy_with_gold_finish        |

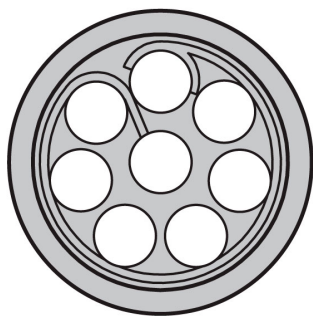
DIMENSIONS



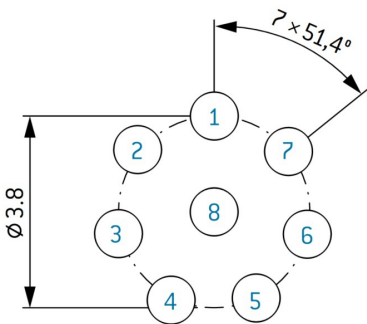
CODING: 30 °



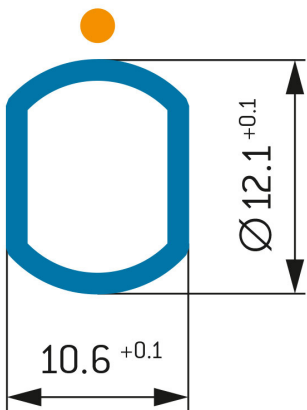
POSITIONS: 8 Positions



Contact borehole: Ø 0.6 mm



PANEL CUT OUT:



## Further technical information and downloads

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

[Technical specifications](#)