

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

size: 2, IP6K8 / IP6K9K, keying: b, number\_of\_contacts: 8, solder\_cup, contact\_type: pins, Ethernet/IP® (10 Gbit/s)



### Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | S12YBR-PD8XJG0-0000 |
| Category           | connector           |
| Type of connector  | plug                |
| Assembly situation | straight            |
| Size               | 2                   |

### Contact insert description

|                        |                          |
|------------------------|--------------------------|
| Special features       | data_transmission        |
| Transmission type      | Ethernet/IP® (10 Gbit/s) |
| Number of contacts     | 8                        |
| Contact type           | pins                     |
| Contact diameter       | 0.9 mm                   |
| Termination type       | solder_cup               |
| Termination diameter   | 0.85 mm                  |
| Wire cross section AWG | AWG 22                   |

### Technical information

|                                |           |                                            |
|--------------------------------|-----------|--------------------------------------------|
| Nominal current single contact | 10 A      | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Max. current insert            | 6.5       | VDE 0298-4:2003                            |
| Test voltage                   | 1.5 kV AC | EIA-364-20F:2019-02                        |

### Cable description

|                     |             |
|---------------------|-------------|
| Cable outlet        | overmolding |
| Min. cable diameter | 5           |
| Max. cable diameter | 10          |

**Mechanical and environmental data**

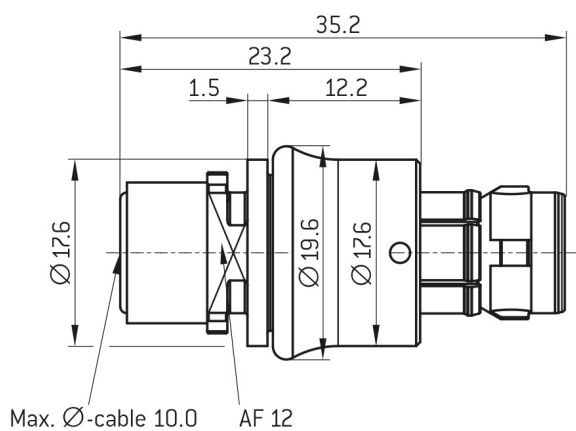
|                            |                |
|----------------------------|----------------|
| Locking principle          | push_pull      |
| Keying                     | b              |
| Mating cycles              | 5000           |
| IP class                   | IP6K8 / IP6K9K |
| Max. operating temperature | 125 °C         |
| Min. operating temperature | -51 °C         |
| Weight                     | 11.68 g        |

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

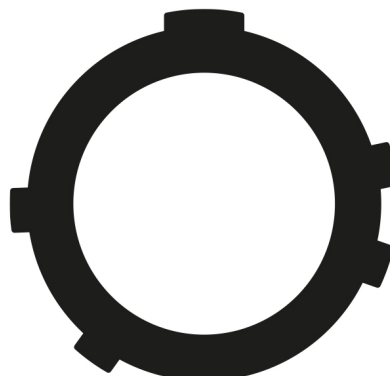
**Material and surface treatments**

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

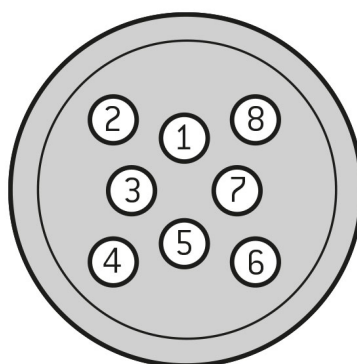
## DIMENSIONS:



## CODING: B



## POSITIONS: 8 positions



### Further technical information and downloads

Connection diagram

connection\_diagram\_8\_pin\_ethernet\_1gbs\_10gbs\_rj45

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

[Assembly Instruction](#)