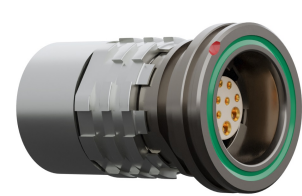


straight\_in\_line\_receptacle\_with\_break\_away\_locking\_for\_bend\_relief

size: 0, IP68 / IP6K9K, keying: d, number\_of\_contacts: 12, solder\_cup, contact\_type: sockets, USB® 3.2 Gen 1x1 [5 Gbit/s]



Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | K10WDM-P12WMM0-0000 |
| Category           | connector           |
| Type of connector  | in_line_receptacle  |
| Assembly situation | straight            |

Contact insert description

|                        |                             |
|------------------------|-----------------------------|
| Special features       | data_transmission           |
| Transmission type      | USB® 3.2 Gen 1x1 [5 Gbit/s] |
| Number of contacts     | 12                          |
| Contact type           | sockets                     |
| Contact diameter       | 0.7 mm                      |
| Termination type       | solder_cup                  |
| Termination diameter   | 0.85 mm                     |
| Wire cross section AWG | AWG 28; AWG 22              |

Technical information

|                                |            |                                            |
|--------------------------------|------------|--------------------------------------------|
| Nominal current single contact | 1 A        | IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) |
| Test voltage                   | 0.75 kV DC | EIA-364-20F:2019-02                        |

Cable description

|                     |             |
|---------------------|-------------|
| Cable outlet        | overmolding |
| Min. cable diameter | 3.2         |
| Max. cable diameter | 7           |

**Mechanical and environmental data**

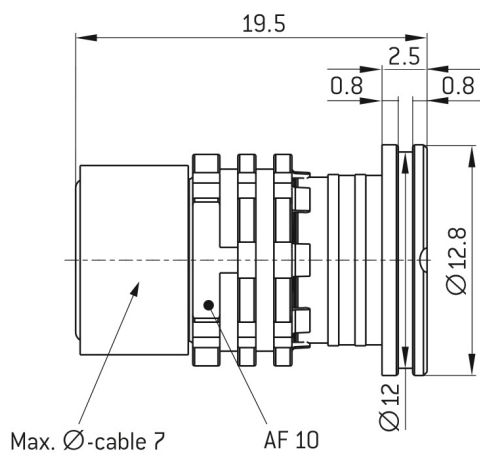
|                            |               |
|----------------------------|---------------|
| Locking principle          | break_away    |
| Keying                     | d             |
| Mating cycles              | 5.000         |
| IP class                   | IP68 / IP6K9K |
| Max. operating temperature | 125 °C        |
| Min. operating temperature | -51 °C        |
| Weight                     | 7.3 g         |

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

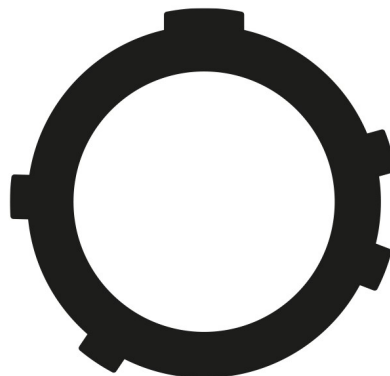
**Material and surface treatments**

|                  |                                |
|------------------|--------------------------------|
| Material         | cu_alloy_with_ruthenium_finish |
| Contact material | cu_alloy_with_gold_finish      |

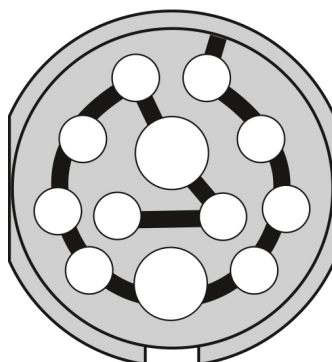
## DIMENSIONS:



## CODING:C



## POSITIONS: 12 positions



## Further technical information and downloads

Connection diagram

connection\_diagram\_12\_pin\_usb\_3\_2\_gen1x1\_socket\_typ\_a

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

[Assembly Instruction](#)

[Technical specifications](#)