

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

size\_0\_ip6k8\_ip6k9k\_coding\_b\_red\_12\_contacts\_sockets\_solder\_cup\_data\_transmission\_usb®\_3.2\_gen\_1x1\_5\_gbits



Basic information

|                    |                     |
|--------------------|---------------------|
| Part number        | K10WBM-P12WMM0-0000 |
| Category           | connector           |
| Type of connector  | in_line_receptacle  |
| Assembly situation | straight            |
| Size               | 5feceb              |

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       | 32d64f                      |
| Termination type       | solder_cup                  |
| Termination diameter   | 08561d                      |
| Wire cross section AWG | 2e1a8b                      |

Technical information

|                             |            |                                            |
|-----------------------------|------------|--------------------------------------------|
| Max. current single contact | 621c7f     | 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**

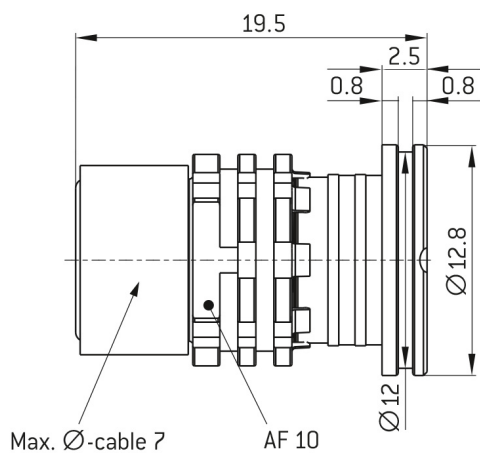
|                            |               |
|----------------------------|---------------|
| Locking principle          | break_away    |
| Keying                     | b             |
| Mating cycles              | 9e1839        |
| IP class                   | IP68 / IP6K9K |
| Max. operating temperature | 125 °C        |
| Min. operating temperature | -51 °C        |
| Weight                     | 7.33 g        |

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

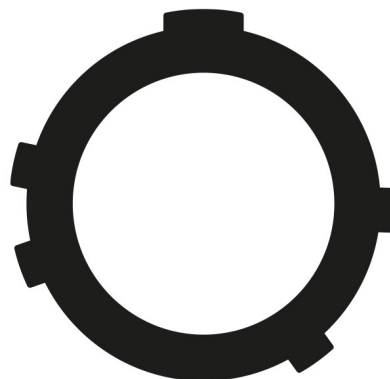
**Material and surface treatments**

|                  |                                |
|------------------|--------------------------------|
| Material         | cu_alloy_with_ruthenium_finish |
| Contact material | gold                           |

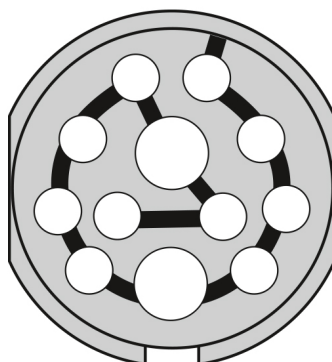
## DIMENSIONS:



## CODING: B



## 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](#)