

straight_break_away_plug_for_bend_relief

size_0_ip6k8_ip6k9k_coding_d_green_12_contacts_pins_solder_cup_data_transmission_usb®_3.2_gen_1x1_5_gbits



Basic information

| | |
|--------------------|---------------------|
| Part number | A10WDM-P12XMM0-0000 |
| Category | connector |
| Type of connector | plug |
| 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 | pins |
| Contact diameter | 0.3 mm; 0.7 mm |
| Termination type | solder_cup |
| Termination diameter | 0.85 mm |
| Wire cross section AWG | AWG 28; AWG 22 |

Technical information

| | | |
|-----------------------------|------------|--|
| Max. 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 | 6.34 g |

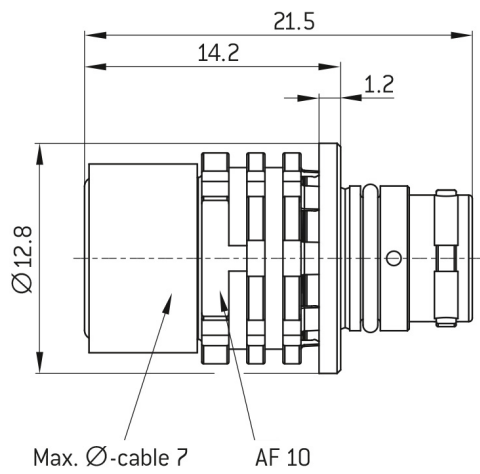
ip_protection_class_refers_to_mated_condition

Material and surface treatments

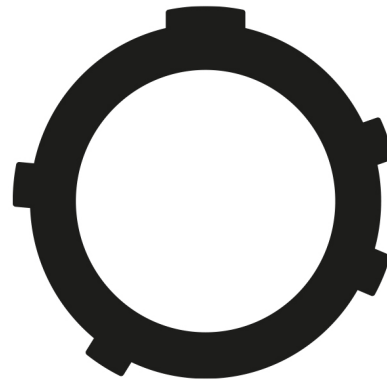
| | |
|------------------|--------------------------------|
| Material | cu_alloy_with_ruthenium_finish |
| Contact material | gold |

Graphics and technical drawings

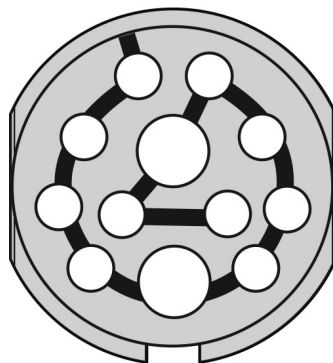
DIMENSIONS:



CODING:D



POSITIONS: 12 positions



Further technical information and downloads

Connection diagram

[connection_diagram_12_pin_usb_3_2_gen1x1_pin_typ_a](#)

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

[Assembly Instruction](#)

[Technical specifications](#)