

VK500021

Connection technology • Cable sockets / connectors pre-assembled on one side

Connection cable, 5m, M12 socket 3-pin angular, free cable end 3-pin, 3x0.34mm², PUR (polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free



ipf cable sockets are mainly used for the electrical connection of sensors. Their properties are characterized by the robust version, in the highest degrees of protection (IP67 | IP68 | IP69K) and with 360° shielding on request. With the features: bus-compatible, drag chain and robot-compatible, oil and chemical-resistant, welding spark-resistant, cleaning agent-resistant or resistant to high-pressure and steam jet cleaning, the enlarged temperature range up to +230°C, rapid interconnection (technology) or special data transmission properties, the cable sockets meet all the requirements of automation technology.

Electrical features

| | |
|---------------------------------------|--------------------|
| Type of plug-in contact, A connection | Female (socket) |
| Type of A electrical connection | M12 |
| Type of B electrical connection | Free conductor end |
| Number of pins of A connection | 3 |
| Number of pins of B connection | 3 |
| Ampacity | 4 A |
| Operating voltage (AC 50Hz) | 250 V |
| Operating voltage (DC) | 250 V |
| Coding of connection A | A |

Mechanical features

| | |
|---|--|
| Number of cores | 3 |
| Wire assembly | 42 x 0.1mm |
| Conductor cross-section | 0.34 mm ² |
| Cable length | 5 m |
| Cable infeed of A connection | angular |
| Maximum tightening torque of connection A | 1 Nm |
| bending cycles | 5 million cycles |
| Degree of protection (IP) | IP67 |
| Torsion cycles | +/-360°/m, ≥ 2 million cycles |
| Material of cable sheath | Kunststoff (PUR) |
| Perm. ambient temperature of cable, fixed cable | -30 - 90 °C |
| Material of the screw fitting | Brass |
| Line diameter | 4.3 mm |
| ardTEME_Werkstoffeigenschaften | Halogenfrei Hydrolysefest LABS-frei Ozonbeständig Silikonfrei UV-Beständig |
| ardTEME_Umgebungsbestaendigkeiten | Öle Kühlschmiermittel |

Other features

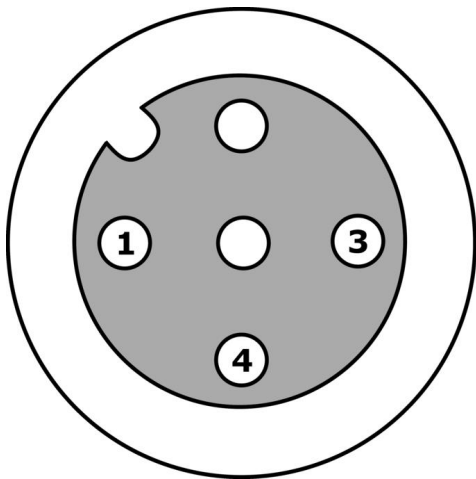
| | |
|---------------------|--|
| Flame retardant | in accordance with EN 60332-2-2 |
| ardTE00_Anwendungen | Schleppkettentauglich Schweißbereich |

Classification

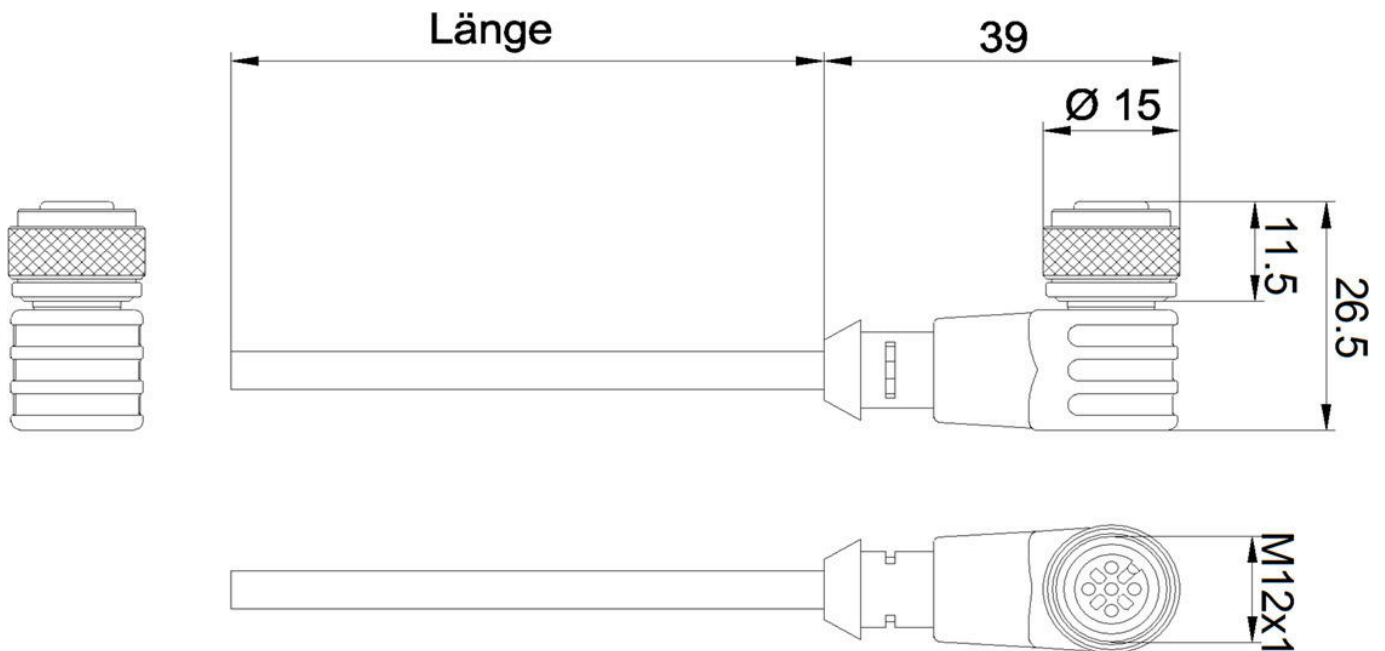
| | |
|--------|--|
| ETIM 8 | EC001855 Assembled sensor-actuator cable |
|--------|--|

More

| | |
|-----------------------|--|
| IPF Product Group | 850 cable sockets / connectors (one side ready made) |
| packaging dimensions | 190 x 190 x 15 mm |
| gross weight | 132 g |
| Customs tariff number | 85444290 |
| WEEE number | 40951076 |
| OzDS-compliant | Yes |
| POP-compliant | Yes |
| Reach-compliant | Yes |
| RoHS-compliant | Yes |

Connection**1** brown**3** blue**4** black

Dimensional drawing



Extract accessories program

AV98F001



AV98F002



Tool, wrench insert for torque wrench, SW13

AY000141



Plastic sheath, $\varnothing 17$ mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

AV000130



Tool, Wire stripper, 28x166x102mm, Skinning range diameter 4.4-7mm, Plastic

AV000132



Tool, Wire stripper, 28x166x102mm, Skinning range diameter 3.2-4.4mm, Plastic

AV000116



Labeling material, Label sleeve, 30mm long, Cable diameter 3.7-6.2mm, Plastic, Transparent

AV000140



You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

Safety warnings

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.