

VK200325

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



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 | 4 |
| Ampacity | 4 A |
| Operating voltage (AC 50Hz) | 250 V |
| Operating voltage (DC) | 250 V |
| Coding of connection A | A |

Mechanical features

| | |
|--|--|
| Core insulation material | Plastic (PP) |
| Number of cores | 4 |
| Wire assembly | 42 x 0.1mm |
| Wire cross section | 0,34 mm ² |
| Conductor cross-section | 0.34 mm ² |
| Cable length | 2 m |
| Cable infeed of A connection | straight |
| 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 |
| Contact coating material | Gold |
| Housing material | TPU |
| Material of cable sheath | Kunststoff (PUR) |
| Contact body material | CuSn |
| Perm. ambient temperature of cable, fixed cable | -40 - 90 °C |
| Perm. ambient temperature of cable, flexible cable | -30 - 90 °C |
| Material of the screw fitting | Nickel-plated (n-pltd) brass |
| Line diameter | 4.7 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 |

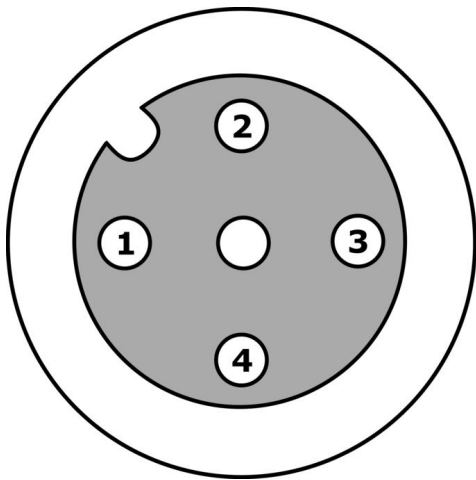
Classification

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

More

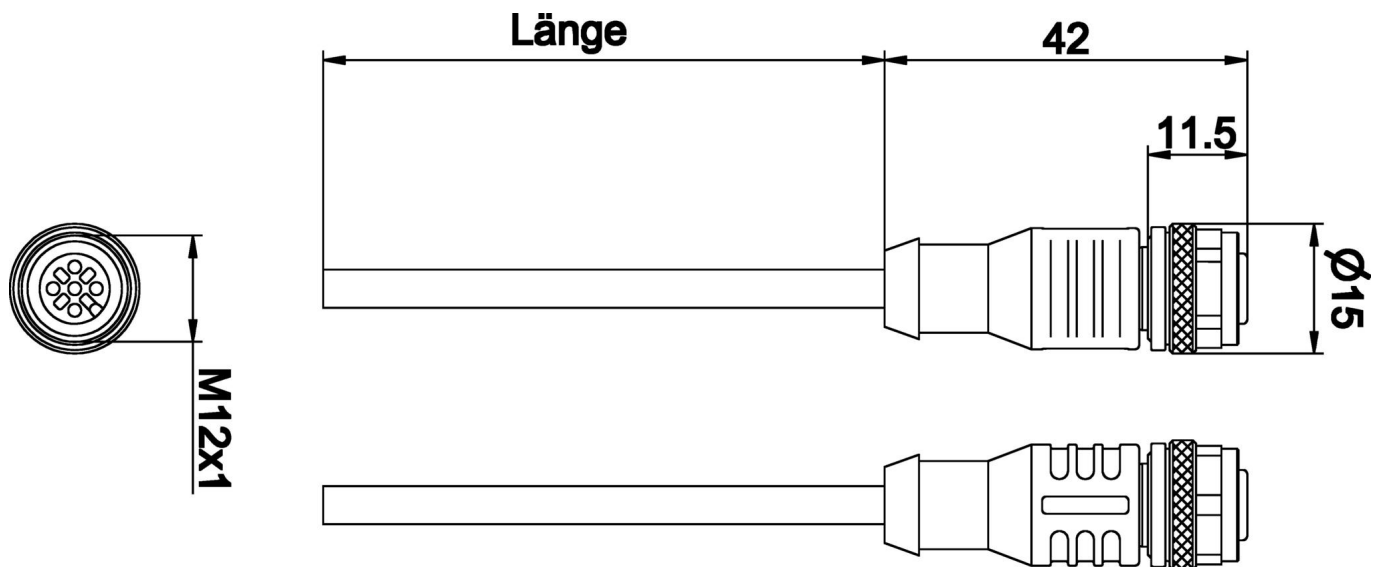
| | |
|-----------------------|--|
| IPF Product Group | 850 cable sockets / connectors (one side ready made) |
| packaging dimensions | 160 x 160 x 15 mm |
| gross weight | 80 g |
| Customs tariff number | 85444290 |
| WEEE number | 40951076 |
| OzDS-compliant | Yes |
| POP-compliant | Yes |
| Reach-compliant | Yes |
| RoHS-compliant | Yes |

Connection



- 1** brown
- 2** white
- 3** blue
- 4** black

Dimensional drawing



Extract accessories program

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

AV98F001



AV98F002



Tool, wrench insert for torque
wrench, SW13

AY000141



Plastic sheath, Ø17mm, 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

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.