

VK500025

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

Connection cable, 5m, M12 socket 3-pin straight, 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
Flow resistance	5 mOhm
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	A

Mechanical features

Number of cores	3
Wire assembly	42 x 0.1mm
Conductor cross-section	0.34 mm ²
Cable sheath color	black
Cable length	5 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	-25 - 90 °C
Material of the screw fitting	Nickel-plated (n-pltd) brass
Contact material	CuSn, gold-plated
Ambient temperature	-30 - 90 °C
Line diameter	4.3 mm
ardTEME_Werkstoffeigenschaften	Halogenfrei Hydrolysefest LABS-frei Ozonbeständig Silikonfrei UV-Beständig
ardTEME_Umgebungsbestaendigkeiten	Öle Kühlschmiermittel

Optical features

Degree of soiling	3
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Other features

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

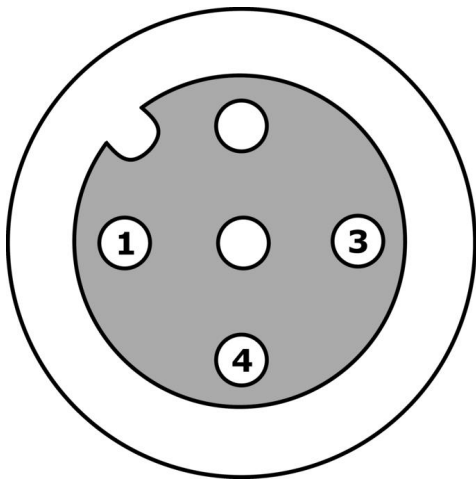
Classification

ETIM 8	EC001855 Assembled sensor-actuator cable
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More

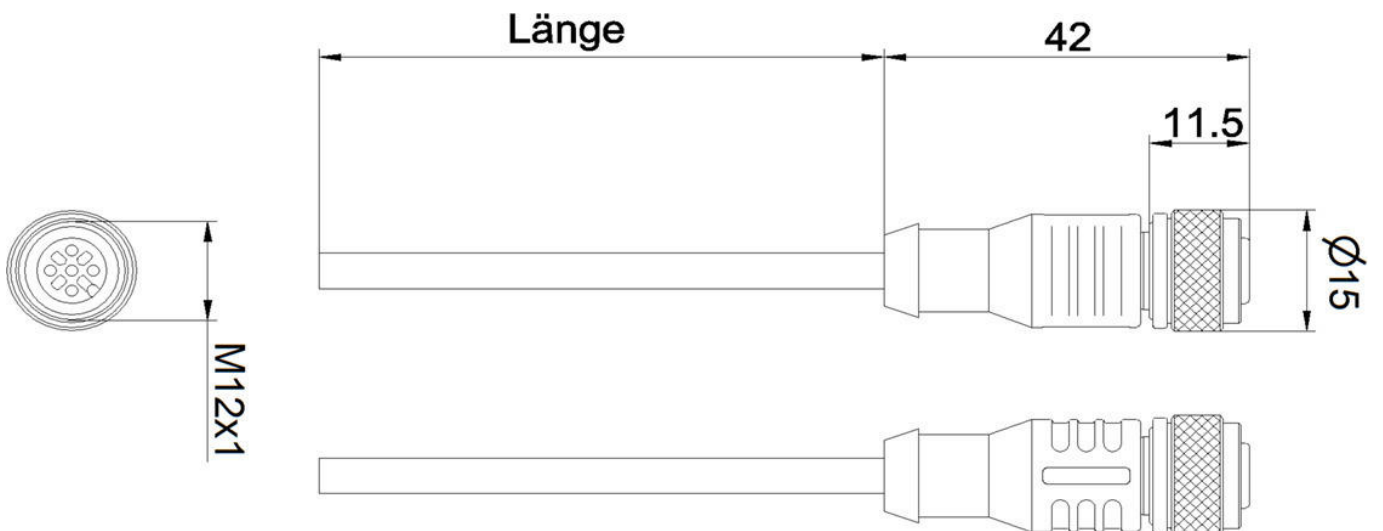
IPF Product Group	850 cable sockets / connectors (one side ready made)
packaging dimensions	160 x 160 x 30 mm
gross weight	130 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



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

Dimensional drawing



Extract accessories program

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

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

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.