

## VK100F75

### Connection technology • Cable sockets / connectors pre-assembled on two sides

Connection cable, 1m, M8 socket 4-pin straight, M8 connector 4-pin straight, 4-core, PUR (polyurethane), suitable for trailing chain and torsion-resistant, oils and cooling lubricants, welding area, silicone-free



ipf cable sockets are used primarily for establishing the electrical connection of sensors. Their features are characterized by rugged design, the highest protection classes (IP67 | IP68 | IP69K) and, if desired, with 360° shielding. With the features: bus-ready, suitable for use with drag chains and robots, resistance to oil and chemicals, resistance to welding sparks, their resistance to cleaning agents or high-pressure and steam-jet cleaning, the expanded temperature range of up to +230°C, the rapid interconnection technology and special data transmission properties, the cable sockets meet all requirements in automation technology.

#### Electrical features

Type of plug-in contact, A connection	Female (socket)
Type of plug-in contact, B connection	Male (connector)
Type of A electrical connection	M8
Type of B electrical connection	M8
Number of pins of A connection	4
Number of pins of B connection	4
Operating voltage (AC 50Hz)	60V
Operating voltage (DC)	60V

#### Mechanical features

Number of cores	4
Cable length	1m
Cable infeed of A connection	straight
Cable infeed of B connection	straight
Maximum tightening torque of connection A	0.6Nm
Maximum tightening torque of connection B	0.6Nm
bending cycles	5 million cycles
Torsion cycles	+/-360°/m, ≥ 2 million cycles
Material of cable sheath	Plastic (PUR)
Suitable for trailing chain	Yes
Material of the screw fitting	Brass

**Other features**

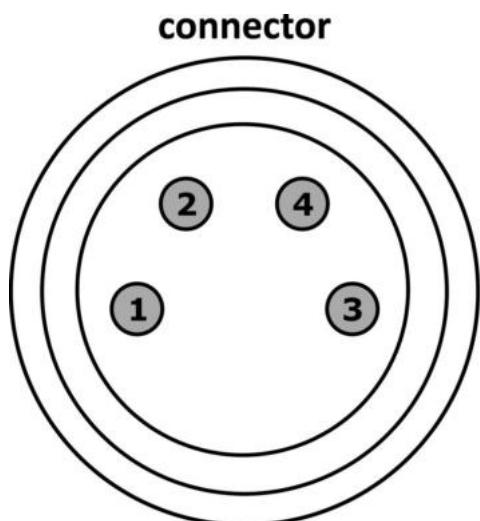
Flame retardant	in accordance with EN 60332-2-2
Halogen-free	Yes
Hydrolysis-proof	Yes
Free of LABS	Yes
Ozone and UV-resistant	Yes
Suitable for trailing chain and torsion resistant	Yes
Welding area	Yes
Silicone-free	Yes
Oil and cooling lubricants	Yes
Version	Connection cable

**Classification**

ETIM 8	EC001855 Assembled sensor-actuator cable
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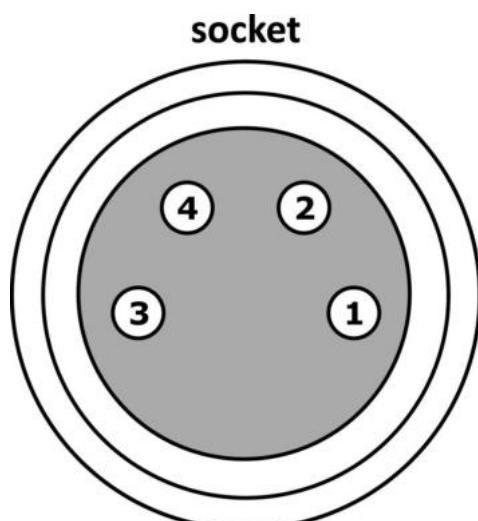
**More**

IPF Product Group	851 cable sockets / connectors (both side ready made)
packaging dimensions	200 x 200 x 10 mm
gross weight	40 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**

**connector**

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



**socket**

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

**Installation**

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

**Disposal**

**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.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).