

## VK500025

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

Connection cable, 5m, M12 Female (socket) 3pin Straight, Free conductor end 3pin, 3x0.34mm<sup>2</sup>, PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil 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 A electrical connection	M12
Type of B electrical connection	Free conductor end
Flow resistance	5mOhm
Line diameter	4.3mm
Number of pins of A connection	3
Number of pins of B connection	3
Ampacity	4A
Operating voltage (AC 50Hz)	250V
Operating voltage (DC)	250V

**Mechanical features**

Number of cores	3
Wire assembly	42 x 0.1mm
Wire cross section	0.34mm <sup>2</sup>
Cable sheath color	black
Cable length	5m
Cable infeed of A connection	straight
Maximum tightening torque of connection A	1Nm
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	PUR (Polyurethane)
Contact body material	CuSn
Perm. ambient temperature of cable, fixed cable	-40 - 90°C
Perm. ambient temperature of cable, flexible cable	-25 - 90°C
Suitable for trailing chain	Yes
Material of the screw fitting	Brass
Ambient temperature	-30 - 90°C

**Optical features**

Degree of soiling	3
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**Other features**

Flame retardant	in accordance with EN 60332-2-2
Version	Connection cable
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
Ambient temperature	-30 - 90°C

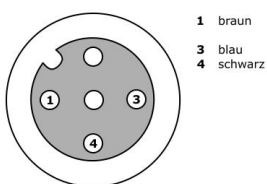
**Classification**

ETIM 8	EC001855 Assembled sensor-actuator cable
eClass 7.0	27279218
eClass 7.1	27279218
eClass 8.0	27279218
eClass 9.0	27060311
eClass 9.1	27060311

**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**



**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).

**Dimensional drawing**

