

## VK50V325

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

Connection cable, 5m, M12 socket 4-pin straight, free cable end, 4x0.25mm<sup>2</sup>, PUR/  
PVC, Ø4.2mm, 250V, -25-70°C, IP67



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 (DC)	250 V
ardSOCA_Betriebsspannung	250VDC

#### Mechanical features

Core insulation material	Plastic (PVC)
Number of cores	4
Wire assembly	32 x 0.1mm
Conductor cross-section	0.25 mm <sup>2</sup>
Bending radius (flexible)	65 mm
Cable length	5 m
Cable infeed of A connection	straight
Maximum tightening torque of connection A	0.8 Nm
Degree of protection (IP)	IP67
Housing material	TPU
Material of cable sheath	Plastic (PUR)
Perm. ambient temperature of cable, fixed cable	-40 - 70 °C
Perm. ambient temperature of cable, flexible cable	-5 - 60 °C
Suitable for trailing chain	Yes
Material of the screw fitting	Nickel-plated (n-pltd) brass
Contact material	CuSn, gold-plated
Ambient temperature	-25 - 70 °C
Line diameter	4.2 mm

**Other features**

Silicone-free	Yes
Oil and cooling lubricants	Yes

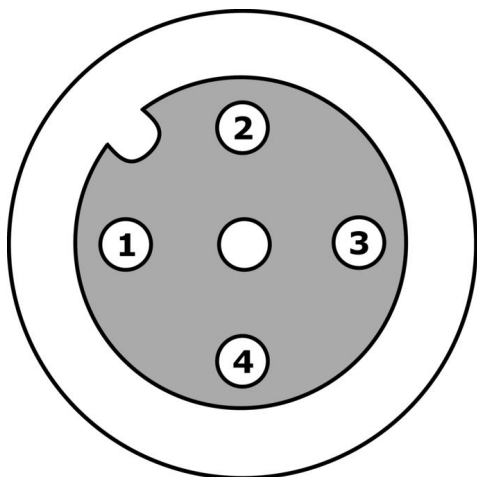
**Classification**

ETIM 8
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**More**

IPF Product Group	850 cable sockets / connectors (one side ready made)
packaging dimensions	150 x 150 x 25 mm
gross weight	131 g
Customs tariff number	85444290
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



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

**Extract accessories program**

**AV000116**



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

**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

**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

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.