

VKB00C25

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

Connection cable, 20m, M12 Female (socket) 12pin Straight, Free conductor end, 12x0.14mm², PUR (Polyurethane), Ø5.8mm, 30V, -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	5 mOhm
Number of pins of A connection	12
Ampacity	1.5 A
Operating voltage (AC 50Hz)	30 V
Operating voltage (DC)	30 V

Mechanical features

Number of cores	12
Wire assembly	72 x 0.05mm
Conductor cross-section	0.14 mm ²
Cable length	20 m
Cable infeed of A connection	straight
Maximum tightening torque of connection A	1 Nm
bending cycles	≥ 2 million cycles
Degree of protection (IP)	IP67
Torsion cycles	+/-180°/m, ≥ 0.5 million cycles
Material of cable sheath	Plastic (PUR)
Contact body material	Brass
Perm. ambient temperature of cable, fixed cable	-30 - 90 °C
Suitable for trailing chain	Yes
Material of the screw fitting	Brass
Line diameter	5.8 mm

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

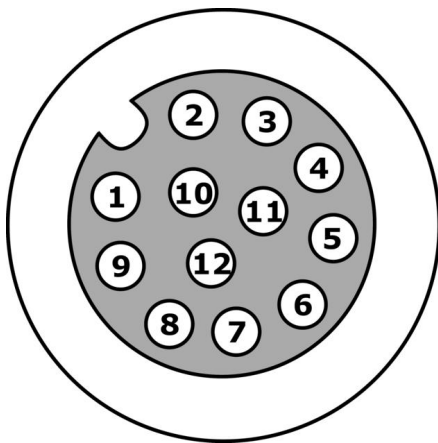
Classification

ETIM 8	EC001855 Assembled sensor-actuator cable
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More

IPF Product Group	856 cable socket / cable connector (diverse)
packaging dimensions	220 x 220 x 55 mm
gross weight	800 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



- 1** brown
- 2** blue
- 3** white
- 4** green
- 5** pink
- 6** yellow
- 7** black
- 8** gray
- 9** red
- 10** violet
- 11** gray/pink
- 12** red/blue

Extract accessories program**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

AV98F001**AV98F002**

Tool, wrench insert for torque wrench, SW13

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.