

VKA00F21

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

Connection cable, 10m, M12 Female (socket) 4pin Angular, M12 Male (connector) 4pin Straight, 4wire, PUR (Polyurethane), 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 plug-in contact, B connection | Male (connector) |
| Type of A electrical connection | M12 |
| Type of B electrical connection | M12 |
| 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 |
| Wire assembly | 42 x 0.1mm |
| Cable length | 10m |
| Cable infeed of A connection | angular |
| Cable infeed of B connection | straight |
| Maximum tightening torque of connection A | 1Nm |
| Maximum tightening torque of connection B | 1Nm |
| bending cycles | 5 million cycles |
| Torsion cycles | +/-360°/m, ≥ 2 million cycles |
| Material of cable sheath | PUR (Polyurethane) |
| Suitable for trailing chain | Yes |
| Material of the screw fitting | Brass |

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 |

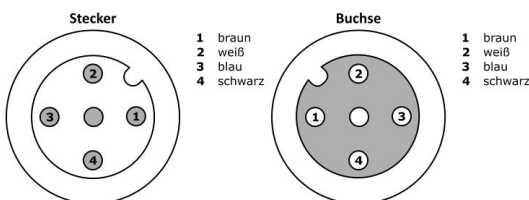
Classification

| | |
|------------|--|
| 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 | 851 cable sockets / connectors (both side ready made) |
| packaging dimensions | 180 x 170 x 40 mm |
| gross weight | 300 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.

Dimensional drawing

