

VK50C639

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

Connection cable, 5m, M12 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm², PUR (Polyurethane), IP69K, 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 |
| Line diameter | 4mm |
| Number of pins of A connection | 4 |
| Operating voltage (AC 50Hz) | 60V |
| Operating voltage (DC) | 60V |

Mechanical features

| | |
|---|-------------------------------|
| Number of cores | 4 |
| Conductor cross-section | 0.34mm ² |
| Cable length | 5m |
| Cable infeed of A connection | angular |
| Maximum tightening torque of connection A | 1Nm |
| bending cycles | 5 million cycles |
| Degree of protection (IP) | IP69K |
| Torsion cycles | +/-360°/m, ≥ 2 million cycles |
| Material of cable sheath | Plastic (PUR) |
| 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 |

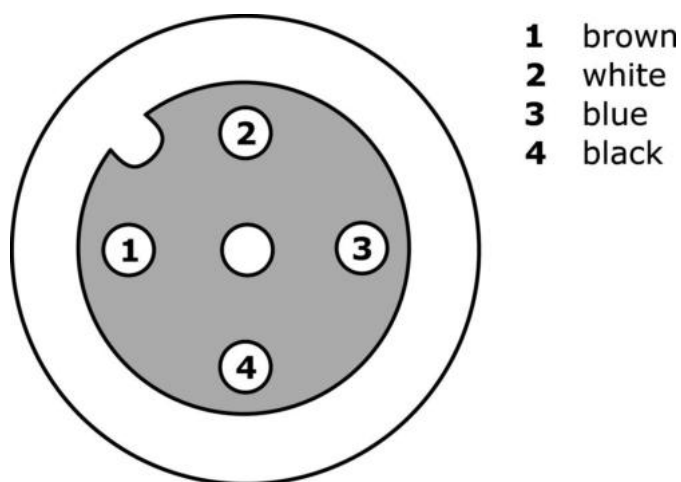
Classification

| | |
|--------|--|
| ETIM 8 | EC001855 Assembled sensor-actuator cable |
|--------|--|

More

| | |
|-----------------------|--|
| IPF Product Group | 850 cable sockets / connectors (one side ready made) |
| packaging dimensions | |
| gross weight | 160 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.