

VK205C25

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

Connection cable, 2m, M12 Female (socket) 12pin Straight, Free conductor end, 12x0.14mm², PUR (Polyurethane) Black, Ø6mm, 30V, -30-90°C, IP67, TPU, Shielded, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding ar...



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 |
| Shielded | Yes |

Mechanical features

| | |
|--|---------------------------------|
| Number of cores | 12 |
| Wire assembly | 18 x 0.1mm |
| Conductor cross-section | 0.14 mm ² |
| Cable sheath color | black |
| Cable length | 2 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 |
| Contact coating material | Gold |
| Housing material | TPU |
| Material of cable sheath | Plastic (PUR) |
| Contact body material | Brass |
| Perm. ambient temperature of cable, fixed cable | -40 - 90 °C |
| Perm. ambient temperature of cable, flexible cable | -25 - 60 °C |
| Suitable for trailing chain | Yes |
| Material of the screw fitting | Brass |
| Ambient temperature | -30 - 90 °C |
| Line diameter | 6 mm |

Optical features

| | |
|-------------------|---|
| Degree of soiling | 3 |
|-------------------|---|

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 |

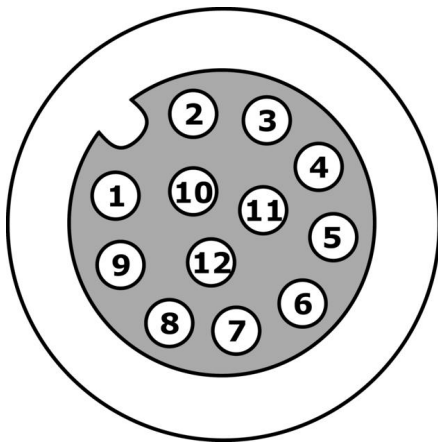
Classification

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

More

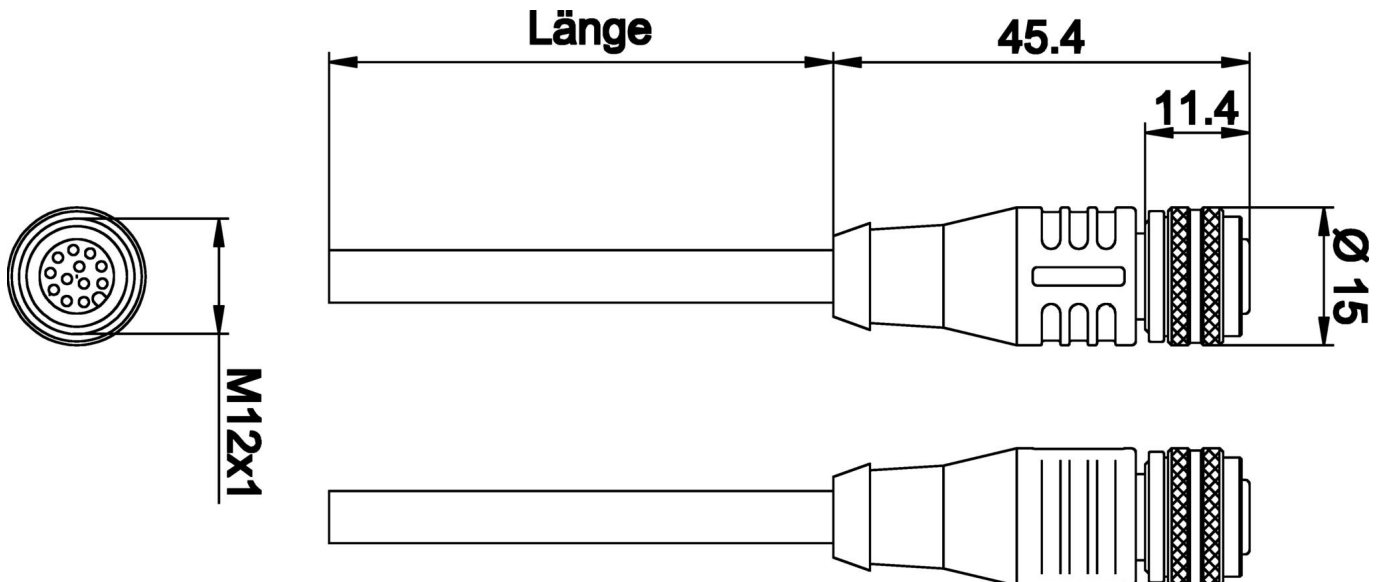
| | |
|-----------------------|--|
| IPF Product Group | 856 cable socket / cable connector (diverse) |
| packaging dimensions | 185 x 185 x 15 mm |
| gross weight | 112 g |
| Customs tariff number | 85444290 |
| WEEE number | 40951076 |
| OzDS-compliant | Yes |
| POP-compliant | Yes |
| Reach-compliant | 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

Dimensional drawing



Extract accessories program**AV98F001****AV98F002**

Tool, wrench insert for torque wrench, SW13

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

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.