

## VK060F65

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

Connection cable, 0.6m, M12 socket 4-pin straight, M8 connector 4-pin straight, 4x0.34mm<sup>2</sup>, PUR (polyurethane), suitable for trailing chain and torsion resistant, oils 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       | M8               |
| Number of pins of A connection        | 4                |
| Number of pins of B connection        | 4                |
| Operating voltage (AC 50Hz)           | 250V             |
| Operating voltage (DC)                | 250V             |

#### Mechanical features

|                                           |                               |
|-------------------------------------------|-------------------------------|
| Number of cores                           | 4                             |
| Conductor cross-section                   | 0.34mm <sup>2</sup>           |
| Cable sheath color                        | black                         |
| Cable length                              | 0.6m                          |
| Cable infeed of A connection              | straight                      |
| Cable infeed of B connection              | straight                      |
| Maximum tightening torque of connection A | 1Nm                           |
| Maximum tightening torque of connection B | 0.6Nm                         |
| bending cycles                            | 5 million cycles              |
| Torsion cycles                            | +/-360°/m, ≥ 2 million cycles |
| Material of cable sheath                  | Plastic (PUR)                 |
| Material of the screw fitting             | Brass                         |

#### 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                             |
| Version                                           | Connection cable                |

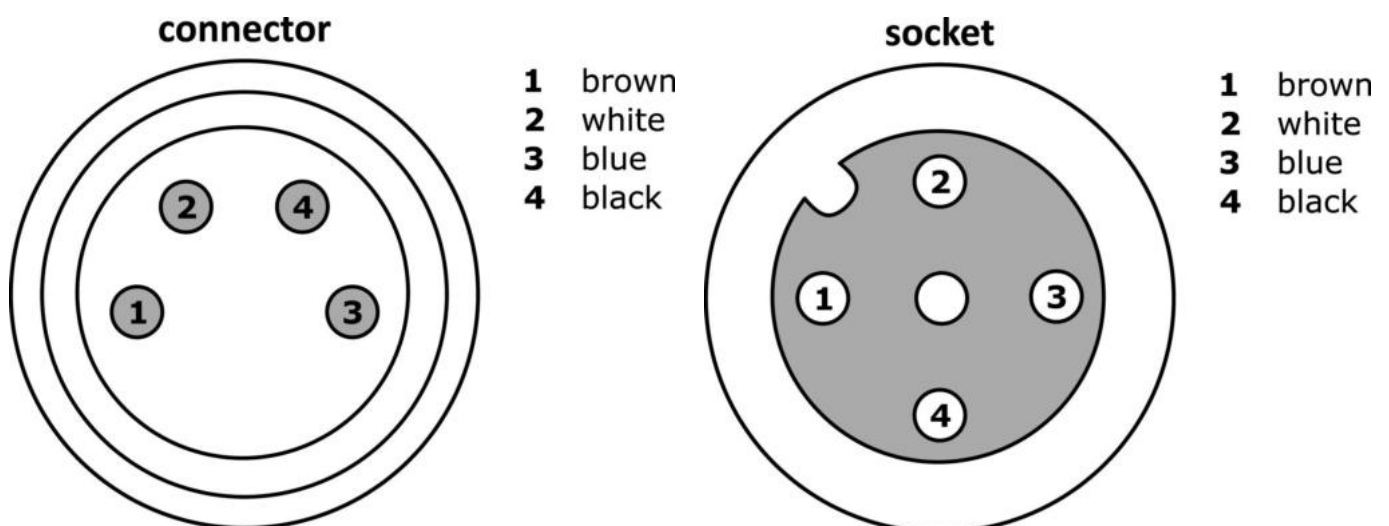
### Classification

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

### More

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| IPF Product Group     | 851 cable sockets / connectors (both side ready made) |
| packaging dimensions  |                                                       |
| gross weight          | 34 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](http://www.ipf-electronic.com).