

## VK030E84

### Connection technology • Cable socket / connector Y-connection cable

Y-connection cable, 0.3m, 2x M8 socket 3-pin straight, 1x M12 connector 4-pin straight, 3x0.34mm<sup>2</sup>, IP67, 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

|                                                |                  |
|------------------------------------------------|------------------|
| Number of electrical connections, A connection | 2                |
| Number of electrical connections, B connection | 1                |
| Type of plug-in contact, A connection          | Female (socket)  |
| Type of plug-in contact, B connection          | Male (connector) |
| Type of A electrical connection                | M8               |
| Type of B electrical connection                | M12              |
| Number of pins of A connection                 | 3                |
| Number of pins of B connection                 | 4                |
| Operating voltage (AC 50Hz)                    | 60 V             |
| Operating voltage (DC)                         | 60 V             |

#### Mechanical features

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| Number of cores                                 | 3                               |
| Wire assembly                                   | 42 x 0.1mm                      |
| Conductor cross-section                         | 0.34 mm <sup>2</sup>            |
| Cable length                                    | 0.3 m                           |
| Cable infeed of A connection                    | straight                        |
| Cable infeed of B connection                    | straight                        |
| Maximum tightening torque of connection A       | 0.6 Nm                          |
| Maximum tightening torque of connection B       | 1 Nm                            |
| bending cycles                                  | ≥ 2 million cycles              |
| Degree of protection (IP)                       | IP67                            |
| Torsion cycles                                  | +/-180°/m, ≥ 0.5 million cycles |
| Perm. ambient temperature of cable, fixed cable | -25 - 80 °C                     |
| Suitable for trailing chain                     | Yes                             |

## 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                             |

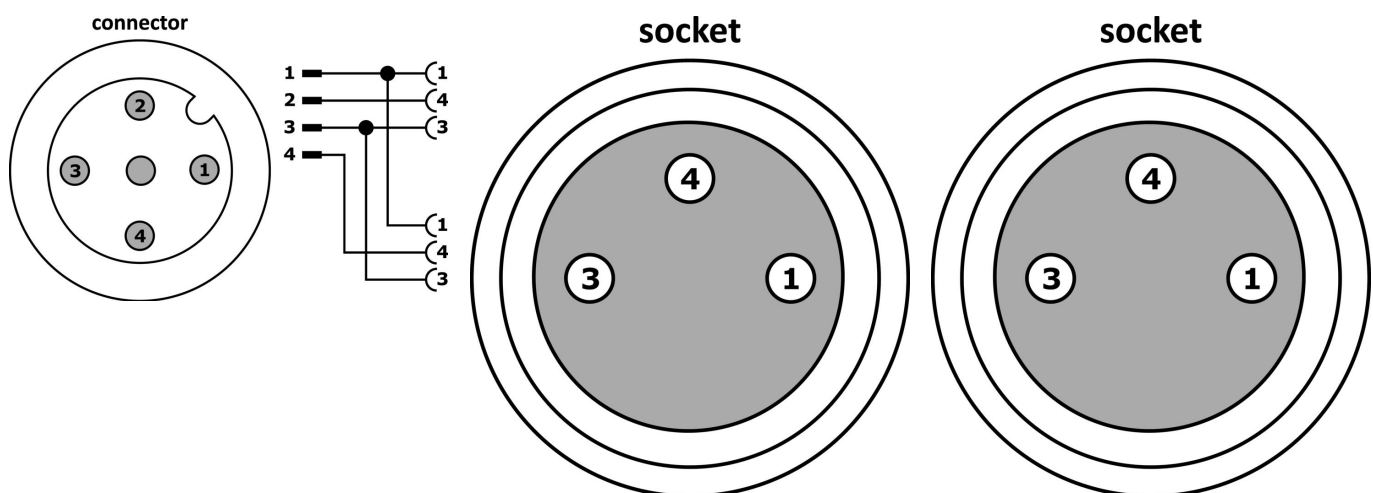
## Classification

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

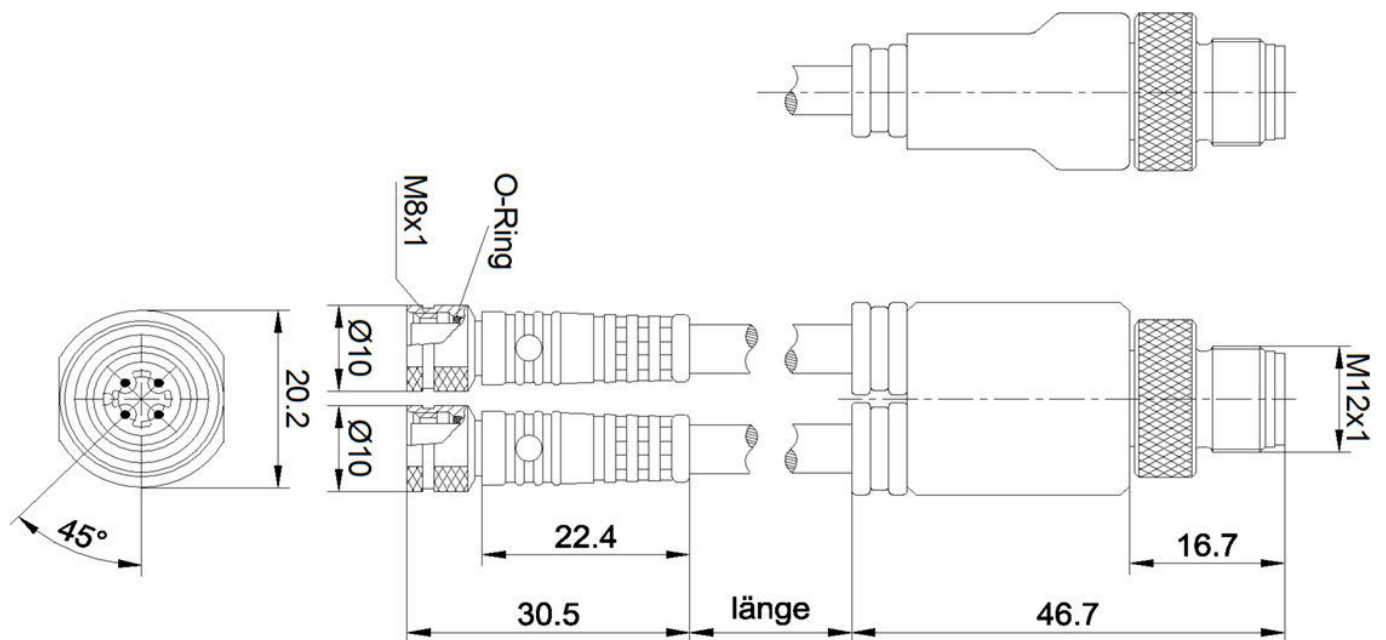
## More

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| IPF Product Group     | 851 cable sockets / connectors (both side ready made) |
| packaging dimensions  | 180 x 150 x 20 mm                                     |
| gross weight          | 42 g                                                  |
| Customs tariff number | 85444290                                              |
| WEEE number           | 40951076                                              |
| OzDS-compliant        | Yes                                                   |
| POP-compliant         | Yes                                                   |
| Reach-compliant       | Yes                                                   |
| RoHS-compliant        | Yes                                                   |

## Connection



## Dimensional drawing



## Extract accessories program

**AV98F001**



**AV98F002**



Tool, wrench insert for torque wrench, SW13

**AV000117**



Labeling material, Label, 2, 1x30x4mm, Plastic PC, 34 identification labels

**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.