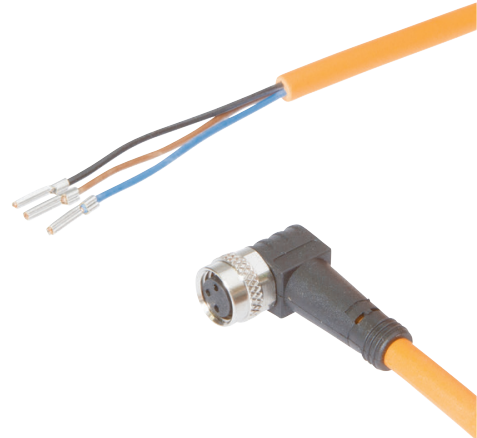


**VK20R071**

**CONNECTION TECHNOLOGY • CABLE SOCKETS /CONNECTORS ONE-SIDED PRE-ASSEMBLED**

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.



**MECHANICAL DATA**

|  |                      |
|--|----------------------|
| Cable length                                       | 2 m                  |
| Cable sheath color                                 | Orange               |
| Contact body material                              | CuZn                 |
| Contact coating material                           | Gold                 |
| Degree of protection (IP)                          | IP67                 |
| Housing material                                   | TPU                  |
| Material of cable sheath                           | PUR (Polyurethane)   |
| Number of wires                                    | 3                    |
| Perm. ambient temperature of cable, fixed cable    | -40 °C ... 90 °C     |
| Perm. ambient temperature of cable, flexible cable | -30 °C ... 90 °C     |
| Positioning of cable feed, field side              | Angled               |
| Positioning of cable feed, housing side            | Straight             |
| Seawater-resistant                                 | Yes                  |
| Suitable for trailing chain                        | Yes                  |
| Wire cross section                                 | 0.25 mm <sup>2</sup> |

**ELECTRICAL DATA**

|   |                    |
|---|--------------------|
| Ampacity                                    | 4 A                |
| Nominal supply voltage                      | 60 V               |
| Number of pins                              | 3                  |
| Rated current I <sub>n</sub>                | 4 A                |
| Rated voltage                               | 60 V               |
| Type of cable                               | Multi-core         |
| Type of electrical connection, field side   | M8                 |
| Type of electrical connection, housing side | Free conductor end |
| Type of plug-in contact, field side         | Female (socket)    |
| With LED display                            | No                 |

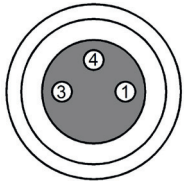
**OPTICAL DATA**

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

## OTHER DATA

|   |                                 |
|---|---------------------------------|
| Acid and alkali-resistant                         | Yes                             |
| Flame resistant                                   | In accordance with EN 60332-2-2 |
| Free of LABS                                      | Yes                             |
| Halogen-free                                      | Yes                             |
| Hydrolysis-proof                                  | Yes                             |
| IR-networked                                      | No                              |
| Oil and cooling lubricants                        | Yes                             |
| Ozone and UV-resistant                            | Yes                             |
| Recyclable  | Yes                             |
| Robotics  | Yes                             |
| RoHs-compliant                                    | Yes                             |
| Silicone-free                                     | Yes                             |
| Suitable for trailing chain and torsion resistant | Yes                             |
| Welding area                                      | Yes                             |

## CONNECTION



**Colors:** 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

**Functions:**

## DIMENSIONAL DRAWING

### 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!