

## VK30RF25

### CONNECTION TECHNOLOGY • CABLE SOCKETS /CONNECTORS TWO-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

|  |                      |
|--|----------------------|
| Ambient temperature (MAX)                                | 90 °C                |
| Ambient temperature (MIN)                                | -40 °C               |
| Cable length   | 3 m                  |
| Cable sheath color                                       | Orange               |
| Contact body material                                    | CuZn                 |
| Contact coating material                                 | Gold                 |
| Degree of protection (IP)                                | IP69K                |
| Material of cable sheath                                 | PUR (Polyurethane)   |
| Number of wires  | 4                    |
| Perm. ambient temperature of cable, fixed cable (MAX)    | 90 °C                |
| Perm. ambient temperature of cable, fixed cable (MIN)    | -40 °C               |
| Perm. ambient temperature of cable, flexible cable (MAX) | 90 °C                |
| Perm. ambient temperature of cable, flexible cable (MIN) | -30 °C               |
| Positioning of cable feed, field side                    | Straight             |
| Positioning of cable feed, housing side                  | Straight             |
| Seawater-resistant                                       | Yes                  |
| Suitable for trailing chain                              | Yes                  |
| Wire cross section                                       | 0.34 mm <sup>2</sup> |

#### ELECTRICAL DATA

|   |                 |
|---|-----------------|
| Nominal supply voltage                      | 300 V           |
| Number of pins                              | 4               |
| Rated voltage                               | 250 V           |
| Type of cable                               | Multi-core      |
| Type of electrical connection, field side   | M12             |
| Type of electrical connection, housing side | M12             |
| Type of plug-in contact, field side         | Female (socket) |
| Type of plug-in contact, housing side       | Male (plug)     |
| With LED display                            | No              |

**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                             |

**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!

Never use these devices in applications where the safety of a person depends on their functionality.