

## VK50RF25

### 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	-40 °C ... 90 °C
Cable length	5 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	-40 °C ... 90 °C
Perm. ambient temperature of cable, flexible cable	-30 °C ... 90 °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

**OTHER DATA**

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!