

## VK50E225

### 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)	70 °C
Ambient temperature (MIN)	-30 °C
Cable length	5 m
Cable sheath color	Orange
Contact body material	CuZn
Contact coating material	Gold
Housing material	TPU
Material of cable sheath	PUR (Polyurethane)
Max. tightening torque	2 Nm
Number of wires	4
Perm. ambient temperature of cable, fixed cable (MAX)	80 °C
Perm. ambient temperature of cable, fixed cable (MIN)	-40 °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

Number of pins	4
Rated current I <sub>n</sub>	1 A
Rated voltage	50 V
Shielded	No
Type of cable	Multi-core
Type of electrical connection, field side	M16
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

## OPTICAL DATA

Degree of soiling	1
-------------------	---

## OTHER DATA

Acid and alkali-resistant	Yes
Flame resistant	Yes
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
RoHS-compliant	Yes
Suitable for trailing chain and torsion resistant	Yes
Welding area	Yes

**Colors:** A: 1 = WH/OG (white/orange), 2 = WH/BU (white/blue), 3: OG (orange), 4 = BU (blue)

B: 1 = WH/OG (white/orange), 2 = OG (orange), 3 = WH/BU (white/blue), 6 = BU (blue)**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!