

## VK20HF74

### 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	-20 °C ... 150 °C
Cable length	2 m
Contact body material	CuZn
Contact coating material	Au
Degree of protection (IP)	IP65
Housing material	PBT
Increased ambient temperature > 90°C	Yes
Material of cable sheath	PTFE
Number of wires	3
Perm. ambient temperature of cable, fixed cable	-190 °C ... 260 °C
Positioning of cable feed, field side	Straight
Positioning of cable feed, housing side	Straight
Seawater-resistant	Yes
Wire assembly	7 x 0.254mm
Wire cross section	0.34 mm <sup>2</sup>

#### ELECTRICAL DATA

Ampacity	4 A
Flow resistance	5 mOhm
Line diameter	3.8 mm
Nominal supply voltage	60 V
Number of pins	3
Number of pins, housing side	3
Rated current I <sub>n</sub>	4 A
Rated voltage	60 V
Shielded	No
Type of electrical connection, field side	M8
Type of electrical connection, housing side	M8
Type of plug-in contact, field side	Female (socket)
Type of plug-in contact, housing side	Male (plug)
With LED display	No

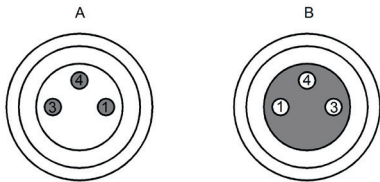
## OPTICAL DATA

Degree of soiling	3
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## OTHER DATA

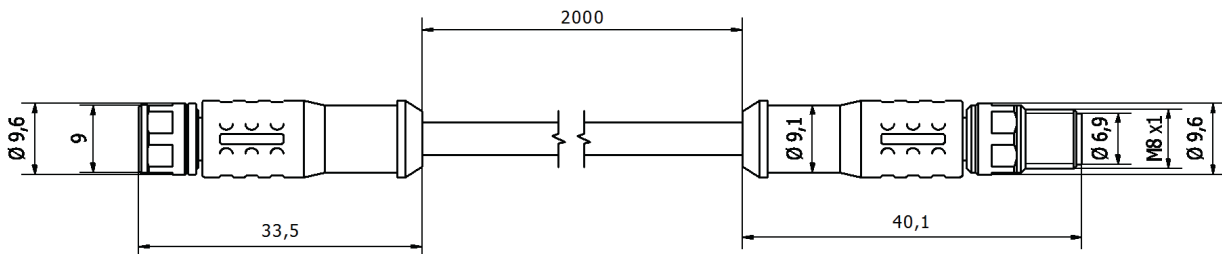
Flame resistant	No
Free of LABS	Yes
Halogen-free	No
IR-networked	No
Oil and cooling lubricants	Yes
Ozone and UV-resistant	Yes
RoHs-compliant	Yes
Suitable for trailing chain and torsion resistant	Yes
Welding area	Yes

## CONNECTION



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

