

VK20RF80

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	2 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	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 ²

ELECTRICAL DATA

Ampacity	4 A
Nominal supply voltage	60 V
Number of pins	3
Rated current I _n	4 A
Rated voltage	60 V
Type of cable	Multi-core
Type of electrical connection, field side	M8
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

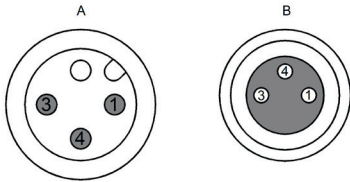
OPTICAL DATA

Degree of soiling	3
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OTHER DATA

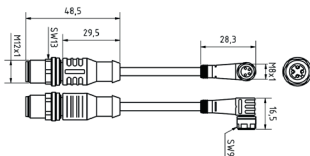
Acid and alkali-resistant	Yes
Flame resistant	In accordance with EN 60332-2-2
Free of LABS	Yes
Halogen-free	Yes
Hydrolysis-proof	Yes
IR-networked	No
Oil and cooling lubricants	Yes
Ozone and UV-resistant	Yes
Recyclable	Yes
Robotics	Yes
RoHs-compliant	Yes
Silicone-free	Yes
Suitable for trailing chain and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

CONNECTION



Colors: 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!

