



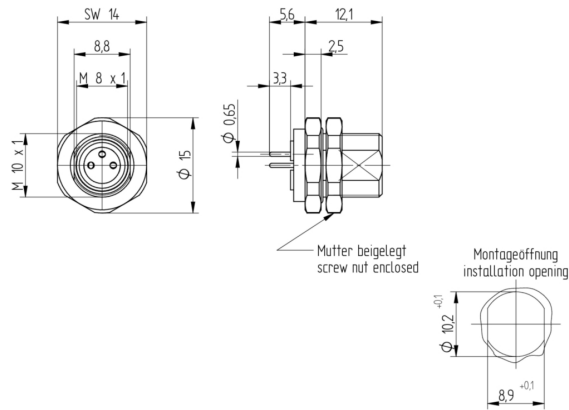
Product: [RKMHL 3/S 5.5](#)

M8 Standard Sensor/Actuator Receptacle Connector: Female, rear mount, M8 Screw - mating side, print contacts - connecting side, 3-pin, A-coded, unshielded, metallic grey housing, 50 AC / 60 DC, 4 A

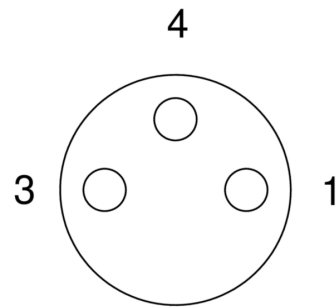
Product Description

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Technical Drawing



Female



Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M8 Standard
Mating Side:	M8 Screw
Connecting Side:	Print Contacts
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Female
Connector Design:	Rear Mount
Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Screw-Locking
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 AC / 60 DC
Rated Current*:	4 A
Contact Resistance:	$\leq 10 \text{ m}\Omega$
Insulation Resistance:	$> 10^9 \text{ Ohm}$
Mating Cycles:	≤ 100

Type of Connection:	PCB
Thread Size:	M10x1
Thread Material:	CuZn
Thread Plating:	Nickel-plated
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Protection Degree / IP Rating**:	IP67
Design Standard:	IEC 61076-2-104
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Potted:	Yes
Housing Material:	CuZn
Housing Plating:	Cu/Ni
Housing Color:	Silver
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
O-Ring Material:	Front O-Ring: FKM; Rear O-Ring: NBR

Additional Technical Data

Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight
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Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures.

Variants

Item #	Item Description
48977	RKMHL 3/S 5,5

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