lumbergautomation
A BELDEN BRAND

Product: RSMH 4

M8 Standard Sensor/Actuator Receptacle Connector: Male, rear mount, M8 - mating side, stranded wires - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 30 V AC/DC, 4 A

Product Description

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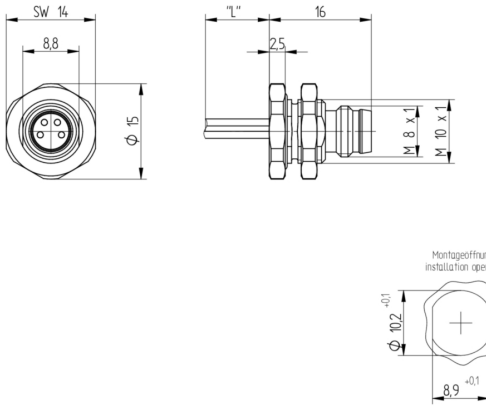
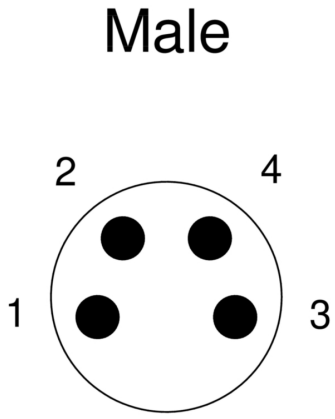
Technical Drawing





Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
brown	white	blue	black

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M8 Standard
Mating Side:	M8
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Male
Connector Design:	Rear Mount
Number of Pins:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Snap- and Screw-Locking
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current*:	4 A

Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Type of Connection:	Solder
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:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Potted:	Yes
Housing Material:	CuZn
Housing Plating:	Cu/Ni
Housing Color:	Silver
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
O-Ring Material:	NBR

Additional Technical Data

Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight

Cable Data

Cable Number:	908 19
Conductor Size:	0.25 mm²
Number of Wires:	4
Conductor material:	Cu
Wire Insulation Material:	PTFE
Insulated Wire Diameter:	ø 1.10 mm ± 0.05 mm
Ambient Temperature (Fixed Installation):	- 100 °C - + 130 °C
Ambient Temperature (Flex Installation):	- 100 °C - + 130 °C
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2
Core Colors:	black, blue, brown, white

Safety & Environmental Compliance

RoHS Compliant:	yes

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	Cable Length
104766	RSMH 4/0,5 M	0.5 m

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