

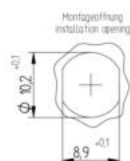
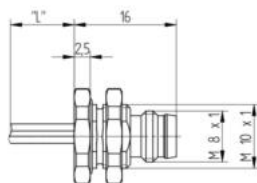
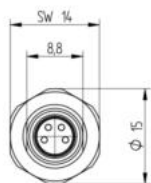
**Product:** [RSMH 4](#) 

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

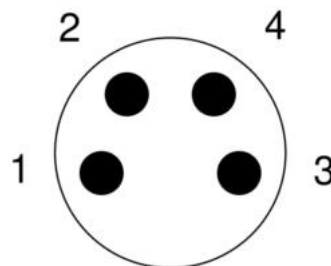
Product Description

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Technical Drawing



Male



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

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.