



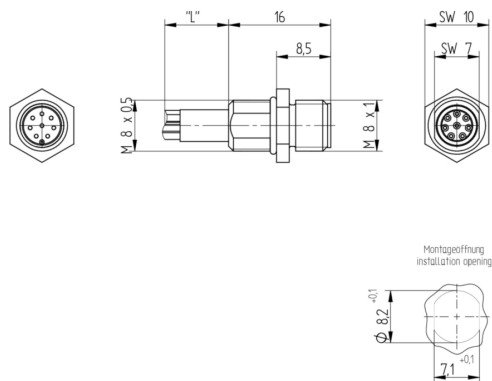
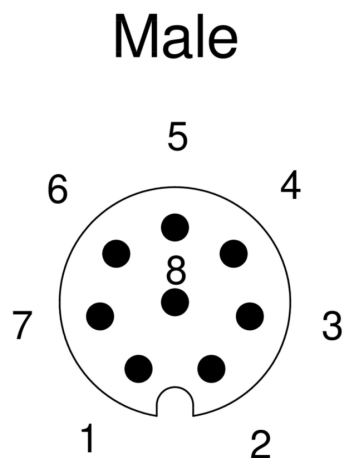
Product: [RSMF 8](#)

M8 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M8 Screw - mating side, stranded wires - connecting side, 8-pin, A-coded, unshielded, metallic grey housing, 30 V AC/DC, 1.5 A

Product Description

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Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white	brown	green	yellow	grey	pink	blue	red

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M8 Standard
Mating Side:	M8 Screw
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Male
Connector Design:	Front Mount
Number of Pins:	8
Coding:	A
Shielding:	Unshielded
Attachment Type:	Screw-Locking
Rated Voltage:	30 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC

Rated Current*:	1.5 A
Rated Current (UL)*:	1 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Type of Connection:	Solder
Thread Size:	M8x0.5
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Operating Temperature (UL):	max. + 50 °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:	FKM

Additional Technical Data

Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight
Accessories to Order Separately:	000-011-644 Mounting Nut M8

Cable Data

Cable Number:	908 45
Conductor Size:	0.154 mm²
Number of Wires:	8
Conductor material:	Cu
Wire Insulation Material:	HDPE
Insulated Wire Diameter:	ø 1.05 mm ± 0.05 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	- 20 °C - + 90 °C
UL Cable Type:	AWM: 1926
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL-VW1, CSA-FT1
Core Colors:	blue, brown, white, grey, green, yellow, pink, red

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

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
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934636115	RSMF 8/0,1 M	0.1 m
934637301	RSMF 8/0,2 M	0.2 m
91740	RSMF 8/0,5 M	0.5 m

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