



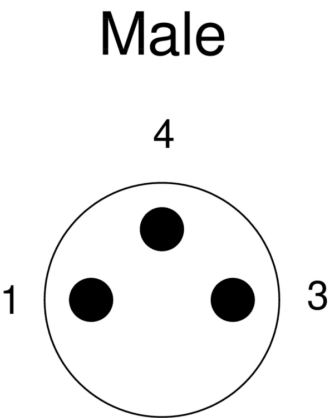
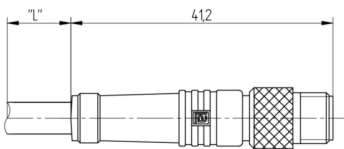
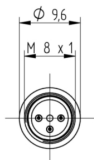
Product: [RSMV 3-106](#) 

M8 Standard Sensor/Actuator Single-Ended Cordset: Male, straight, 3-pin, A-coded, translucent body, 50 V AC / 60 V DC, 4 A; PVC grey cable, 3-wires, 0.34 mm²

Product Description

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Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 3	Pin 4
brown	blue	black

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M8 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm

Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, 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:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated

Additional Technical Data

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

Cable Number:	106
Conductor Size:	0.34 mm²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 3 x D
Minimal Bending Radius (Flexible Inst):	> 3 x D
Conductor material:	Cu
Cable Jacket Material:	PVC TM2
Cable Jacket Color:	grey RAL 7000
Cable Diameter D:	ø 4.90 mm
Wire Insulation Material:	PVC TI2
Insulated Wire Diameter:	ø 1.60 mm
Ambient Temperature (Fixed Installation):	- 30 °C - + 70 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 70 °C
Flammability Class (Cable Jacket):	IEC 60332-1 , VDE 0482-265-2-1 , EN 50265-2-1
Cable Characteristics:	Mainly plasticizer diffusion free; Exclusion of silicone

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Oil Resistance:	Good chemical and oil resistance
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Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
59473	RSMV 3-106/10 M	10 m
59472	RSMV 3-106/15 M	15 m
59469	RSMV 3-106/20 M	20 m
2271	RSMV 3-106/25 M	25 m
108315	RSMV 3-106/40 M	40 m

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