



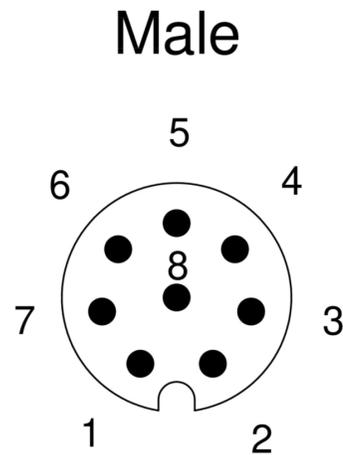
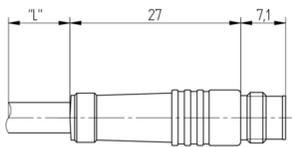
**Product:** [RSM 8-354](#)

M8 Snap-In Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, orange body, 30 V AC/DC, 1 A; TPU black cable, 8-wires, 0.14 mm<sup>2</sup>

### Product Description

M8 Snap-In Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, orange body, 30 V AC/DC, 1 A; TPU black cable, 8-wires, 0.14 mm<sup>2</sup>

### 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 Snap-In
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	8
Coding:	A
Shielding:	Unshielded
Attachment Type:	Snap- and 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 A
Rated Current (UL)*:	1 A

Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65 (in combination with female M8 Snap-In connector); IP65, IP67 (in combination with female M8 Standard connector)
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 66 GF
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Orange
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated

## Cable Data

Cable Number:	354
Conductor Size:	0.14 mm <sup>2</sup>
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	TPU
Cable Jacket Color:	black matt similarly RAL 9005
Cable Diameter D:	ø 5.0 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 0.93 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	max. + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	IEC 332-2, UL FT-2
Cable Characteristics:	Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Good microbes and hydrolysis resistance; Coldness flexibility

## Approvals

UL-File:	E315587
UL:	UL 2238; cURus

## 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
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934636169	RSM 8-354/2 M	2 m
934636551	RSM 8-354/5 M	5 m

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