



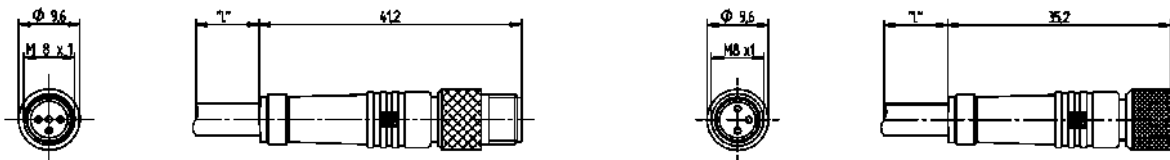
**Product:** [RSMV 3-RKMV 3-77](#) 

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 3-pin M8 Standard connector to female straight A-coded translucent 3-pin M8 Standard connector, 50 V AC / 60 V DC, 4 A; TPU orange cable, 3-wires, 0.25 mm<sup>2</sup>

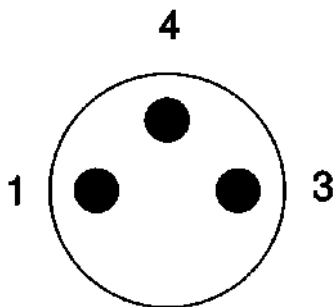
**Product Description**

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 3-pin M8 Standard connector to female straight A-coded translucent 3-pin M8 Standard connector, 50 V AC / 60 V DC, 4 A; TPU orange cable, 3-wires, 0.25 mm<sup>2</sup>

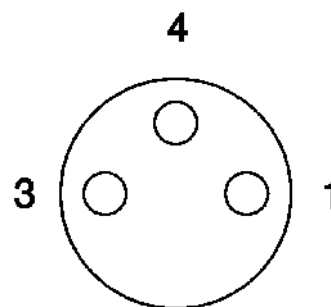
**Technical Drawing**



**Male**



**Female**



**Technical Specifications**

Face View Side 1

Pin 1	Pin 3	Pin 4
brown	blue	black

Face View Side 2

Pin 1	Pin 3	Pin 4
brown	blue	black

brown blue black

## Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A

## Technical Data Side 1

Product Sub Family:	M8 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	3
Coding:	A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
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)
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
Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight
Note:	Do not connect or disconnect under load.

## Cable Data

Cable Number:	077
Conductor Size:	0.25 mm <sup>2</sup>
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 10 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	TPU 11YM1
Cable Jacket Color:	orange RAL 2003
Cable Diameter D:	ø 4.50 ± 0.2 mm
Wire Insulation Material:	PVC Y12
Insulated Wire Diameter:	ø 1.3 mm
Ambient Temperature (Fixed Installation):	- 30 °C - + 70 °C
Ambient Temperature (Flex Installation):	- 10 °C - + 70 °C
Cable Characteristics:	Free of lacquer wetting disturbing substances

## Technical Data Side 2

Product Sub Family, Side 2:	M8 Standard
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	3
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69K
Design Standard, Side 2:	IEC 61076-2-104
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 8x1: 30 Ncm, hand-tight

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Oil Resistance:	Good chemical and oil resistance
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## Notes

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice derating

## Variants

Item #	Item Description	Cable Length
21165	RSMV 3-RKMV 3-77/0,7 M	0.7 m
21164	RSMV 3-RKMV 3-77/0,8 M	0.8 m
21163	RSMV 3-RKMV 3-77/0,9 M	0.9 m

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