



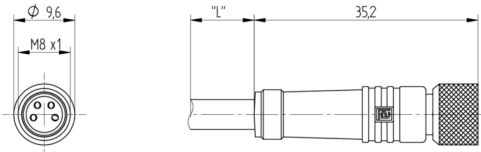
Product: [RKMV 4-377](#)

M8 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 4-pin, A-coded, translucent body, 30 V AC/DC, 4 A; PUR yellow cable, 4-wires, 0.34 mm²

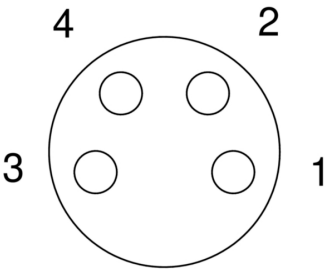
Product Description

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Technical Drawing



Female



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
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
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*:	4 A

Rated Current (UL)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 70 °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)

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
O-Ring Material:	FKM, green

Additional Technical Data

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

Cable Number:	377
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 10 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	yellow matt
Cable Diameter D:	ø 4.70 ± 0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.25 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):	DIN EN 50265-2-2, VDE 0482-265-2-2, IEC 60332-2-2, CSA FT2
Cable Characteristics:	Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Good chemical and oil resistance; Good microbes and hydrolysis resistance; Coldness flexibility; The cable confirm to the dynamic DA 6 requirements

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267
Oil Resistance:	Good chemical and oil resistance

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
18679	RKMV 4-377/0,6 M	0.6 m
18680	RKMV 4-377/1 M	1 m

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