



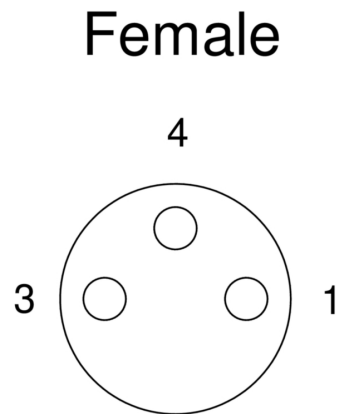
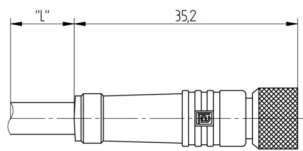
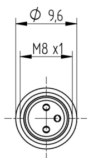
Product: [RKMV 3-06](#)

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

Product Description

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

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 3	Pin 4
brown	blue	black

Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	M8 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Female
Connector Design:	Straight
Number of Pins:	3
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
Voltage Rating:	60 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Rated Current (UL)*:	4 A

Side 1 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
Side 1 Design Standard:	IEC 61076-2-104
Side 1 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
Side 1 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
--------------------------------	---------------------------

Cable Data

Cable Number:	006
Conductor Size:	0.34 mm ²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 M
Conductor Material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	orange
Cable Diameter D:	ø 5.0 ± 0.2 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.50 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	+ 5 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	+ 5 °C - + 60 °C
UL Cable Type:	AWM: 2464
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1
Cable Characteristics:	Free of lacquer wetting disturbing substances; Exclusion of silicone

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

Resistances

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
59994	RKMV 3-06/0,3 M	0.3 m
3821	RKMV 3-06/0,6 M	0.6 m
59125	RKMV 3-06/1 M	1 m
3840	RKMV 3-06/1,5 M	1.5 m
11294	RKMV 3-06/2 M	2 m
700000047	RKMV 3-06/2 M	2 m
3778	RKMV 3-06/2,5 M	2.5 m
12949	RKMV 3-06/3 M	3 m
87363	RKMV 3-06/4 M	4 m
11295	RKMV 3-06/5 M	5 m
700000048	RKMV 3-06/5 M	5 m
108079	RKMV 3-06/6 M	6 m
11293	RKMV 3-06/10 M	10 m
700000181	RKMV 3-06/10 M	10 m
12954	RKMV 3-06/15 M	15 m
12951	RKMV 3-06/20 M	20 m
58019	RKMV 3-06/25 M	25 m
3448	RKMV 3-06/30 M	30 m

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.