

**Product:** [PRKMVV 3-06](#)

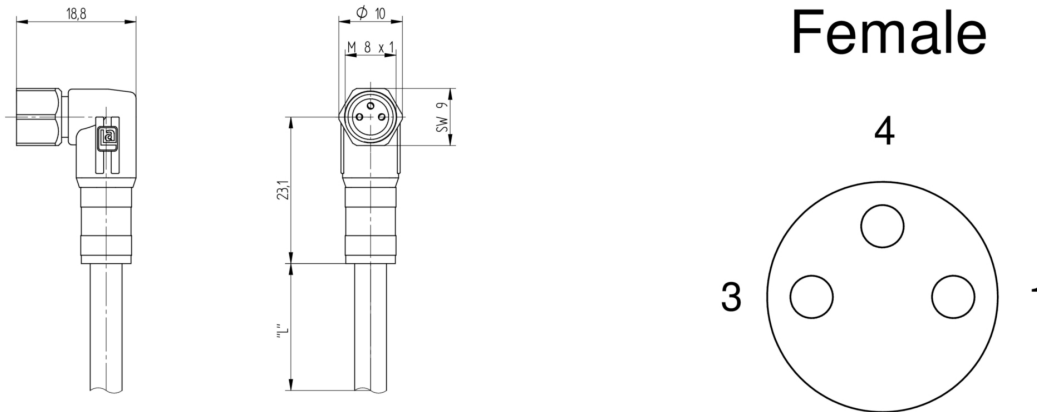


M8 F&B (PVC) Sensor/Actuator Single-Ended Cordset: Female, angled, 3-pin, A-coded, orange body, 50 V AC / 60 V DC, 4 A; PVC orange cable, 3-wires, 0.34 mm<sup>2</sup>

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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 F&B (PVC)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
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 <sup>9</sup> Ohm

Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 25 °C - + 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:	PVC
Contact Bearer Color:	Orange
Molded Body Material:	PVC
Molded Body Color:	Orange
Attachment Material:	Stainless Steel
O-Ring Material:	EMDM, black

## Additional Technical Data

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

Cable Number:	006
Conductor Size:	0.34 mm <sup>2</sup>
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

## 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
13675	PRKMWW 3-06/0,05 M - 69K	0.05 m
934773001	PRKMWW 3-06/2 M - 69K	2 m
934773002	PRKMWW 3-06/5 M - 69K	5 m
934773003	PRKMWW 3-06/10 M - 69K	10 m
934773004	PRKMWW 3-06/15 M - 69K	15 m
934773005	PRKMWW 3-06/20 M - 69K	20 m

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