



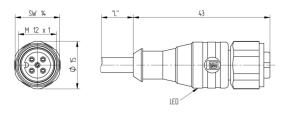
Product: PRKT 5-56 ☑

M12 F&B (PVC) Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, A-coded, orange body, 50 V AC / 60 V DC, 4 A; PVC orange cable, 5-wires, 0.34 mm²

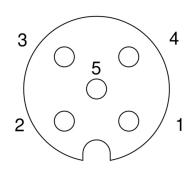
Product Description

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Technical Drawing

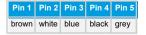


Female



Technical Specifications

Face View



Technical Data

Product Family:	Sensor / Actuator Connectors	
Product Sub Family:	M12 F&B (PVC)	
Brand:	Lumberg Automation	
Connector Type:	Cordset, single ended	
Type of Contact / Gender:	Female	
Connector Design:	Straight	
Number of Pins:	5	
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	
sulation Resistance: > 10^9 Ohm		

Mating Cycles:	≤ 100	
Ambient Temperature (Operation)*:	- 25 °C - + 50 °C	
Protection Degree / IP Rating**:	IP65, IP67	
Design Standard:	IEC 61076-2-101	
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:	EPDM, black

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
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Cable Data

Cable Number:	056	
Conductor Size:	0.34 mm ²	
Number of Wires:	5	
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 class 43	
Cable Jacket Color:	orange	
Cable Diameter D:	ø 5.70 ± 0.20 mm	
Wire Insulation Material:	PVC class 43	
Insulated Wire Diameter:	ø 1.50 mm	
Ambient Temperature (Fixed Installation):	- 40 °C - + 80 °C	
Ambient Temperature (Flex Installation):	+ 5 °C - + 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:	LABS-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

Notes

	Note Derating:	Notice derating
	Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note: Do		Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length	Rated Current
841	PRKT 5-56/30 M	30 m	4 A
45340	PRKT 5-56/5 M	5 m	4 A
46894	PRKT 5-56/10 M	10 m	4 A
46895	PRKT 5-56/25 M	25 m	4 A

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