



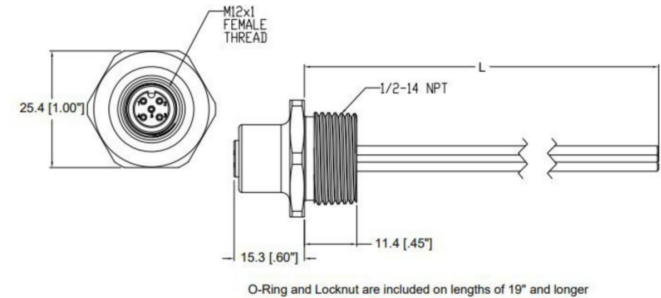
Product: [RKF 5-1/2-14/ P-13469](#)

M12 standard sensor/actuator receptacle connector, female 5-pin, front mounting, A-coding, 18 AWG, 5 stranded wires, panel mount thread 1/4" -NPT, 300 V AC/DC, 4 A

Product Description

M12 standard sensor/actuator receptacle connector, female 5-pin, front mounting, A-coding, 18 AWG, 5 stranded wires, panel mount thread 1/4" -NPT, 300 V AC/DC, 4 A

Technical Drawing



PIN #	COLOR
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GRAY

Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation

Connector Type:	Receptacle
Type of Contact / Gender:	Female
Connector Design:	Front Mount
Number of Pins:	5
Coding:	A
Rated Voltage:	300 V
Rated Voltage (UL):	300 V
Operating Voltage:	300 V
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(-40°F) / +105°C(+221°F)
Protection Degree / IP Rating**:	IP67
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	Copper alloy, gold over nickel plated
Contact Plating:	Au
Contact Bearer Material:	Polyamide
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	Anodized aluminum
Housing Color:	Silver
Attachment Material:	Steel
Attachment Plating:	Zinc
O-Ring Material:	NBR & FPM

Additional Technical Data

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

Conductor Size:	18 AWG
Number of Wires:	5
Conductor material:	Cu
Wire Insulation Material:	PVC
Core Colors:	Brown, White, Blue, Black, Grey

Approvals

UL-File:	UL1007/1569
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Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures.

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