



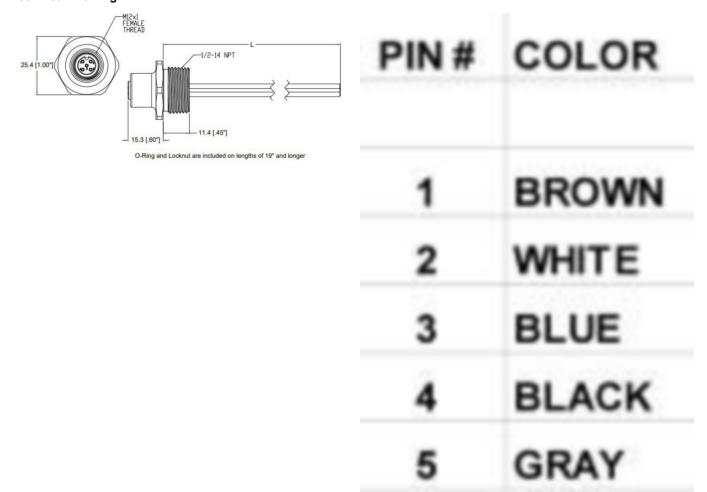
Product: RKF 5-1/2-14/ P-13469 ☑

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



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	
--------------------------------	---------------------------------	--

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	

Safety & Environmental Compliance

RoHS Compliant:

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.

© 2025 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 d Disclosure is not to be considered a warranty or or regulations based on their individual usage of the	esigned only as a general guide for the sat yuality specification. Regulatory information product.	fe handling, storage, and any othen n is for guidance purposes only. Pr	r operation of the product itself or tr oduct users are responsible for det	ne one that it becomes a part of. The ermining the applicability of legislat	e Product on and