



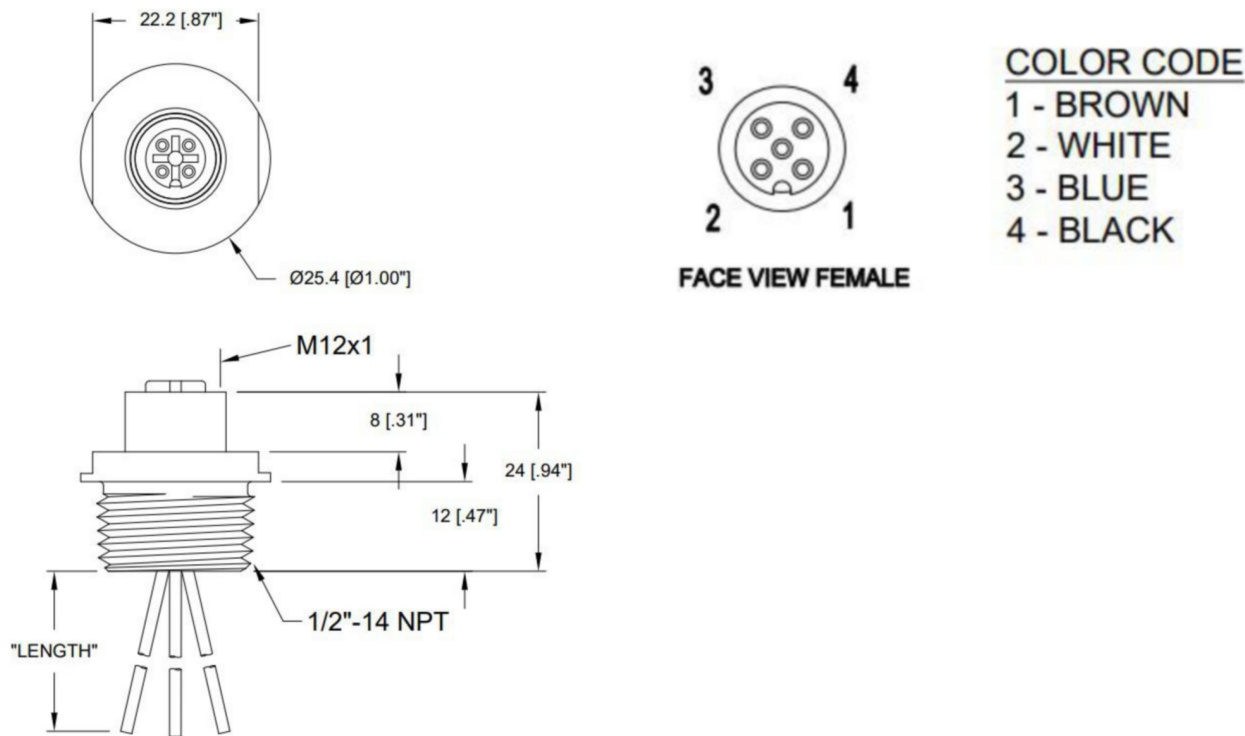
**Product:** [RKF 4-1/2-14](#) 

M12 standard sensor/actuator receptacle connector, female 4-pin, front mounting, A-coding, 22 AWG, 4 stranded wires, panel mount thread 1/4" -NPT, 250 V AC/DC, 4 A

Product Description

M12 standard sensor/actuator receptacle connector, female 4-pin, front mounting, A-coding, 22 AWG, 4 stranded wires, panel mount thread 1/4" -NPT, 250 V AC/DC, 4 A

Technical Drawing



Technical Specifications

Technical Data

Product Family:	M12 Standard
Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Socket Contact / Female
Connector Design:	Front Mount
Number of Pins:	4
Coding:	A
Rated Voltage:	250 V

Rated Voltage (UL):	250 V
Operating Voltage:	250 V
Rated Current*:	4 A
Rated Current (UL)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 102
Ambient Temperature (Operation)*:	-25°C (-13°F) / +90°C (+194°F)
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:	Brass, Nickel Plated
Contact Bearer Material:	PUR
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Housing Material:	Aluminum
Housing Plating:	Anodized
Housing Color:	Blue
Attachment Material:	Steel
Attachment Plating:	Zinc
O-Ring Material:	Viton

Additional Technical Data

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

Cable Data

Conductor Size:	22 AWG
Number of Wires:	4
Conductor material:	Cu
Wire Insulation Material:	PVC
Core Colors:	Brown, White, Blue, Black

Safety & Environmental Compliance

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

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.

Variants

Item #	Item Description	Cable Length
600000193	RKF 4-1/2-14/6F	6 ft
600001684	RKF 4-1/2-14/0.5M	0.5 m
600005444	RKF 4-1/2-14/4M	4 m
600005579	RKF 4-1/2-14/3M	3 m
600005580	RKF 4-1/2-14/5M	5 m
600005581	RKF 4-1/2-14/6M	6 m
600005582	RKF 4-1/2-14/8M	8 m
600005583	RKF 4-1/2-14/10M	10 m
600005578	RKF 4-1/2-14/2M	2 m
600006530	RKF 4-1/2-14/1M	1 m

© 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 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.