



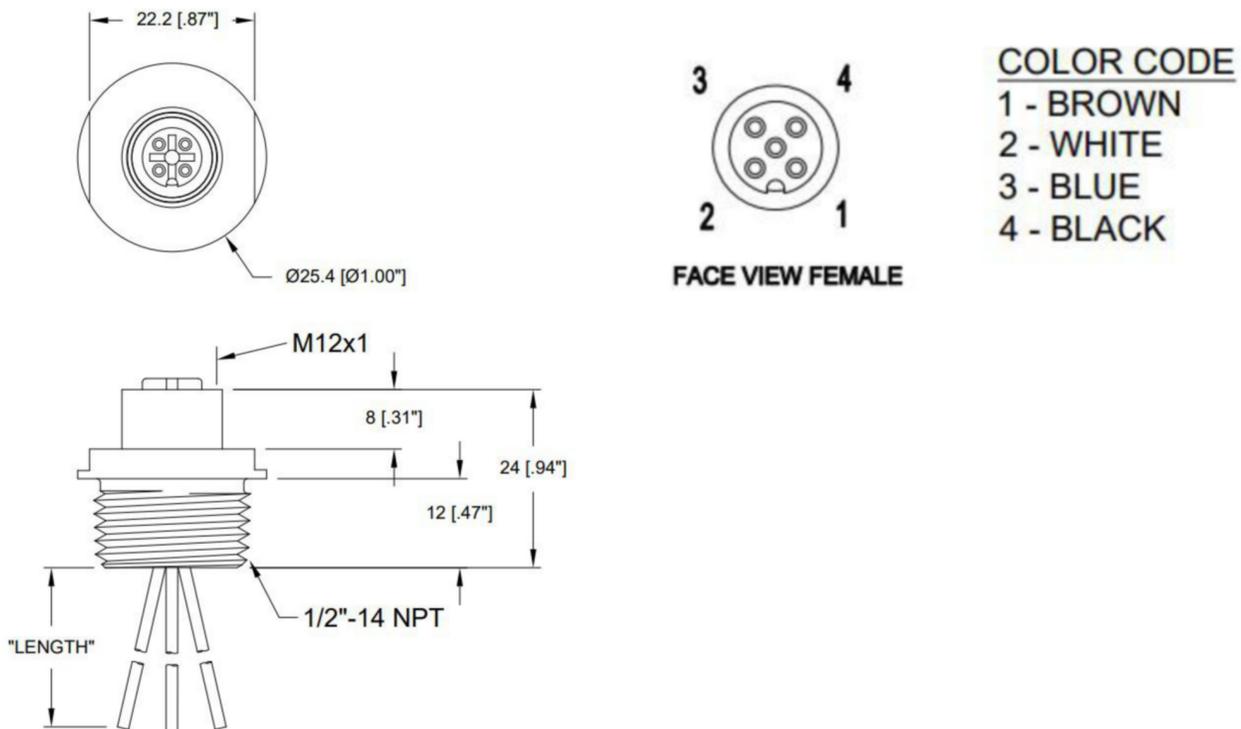
Product: [RKF 4-1/2-14](#) 

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
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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
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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.

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

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