




**Product:** [RKF 4-1/2-14-693/CR5792](#) 

M12 standard sensor/actuator receptacle connector, female 4-pin, front mounting, A-coding, 18 AWG, 4 stranded wires, panel mount thread 1/4" -NPT, 250 V AC/DC, 4 A

### Product Description

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### Technical Specifications

#### Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation
Connector Type:	Receptacle
Side 1 Type of Contact/Gender:	Female
Connector Design:	Front Mount
Number of Pins:	4
Coding, Side 1:	A
Voltage Rating:	250 V
Rated Voltage (UL):	250 V
Operating Voltage:	250 V
Current Rating:	4 A
Rated Current (UL)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-25°C (-13°F) / +90°C (+194°F)
Pollution Degree:	4 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-2
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

#### Materials

Contact Base Material:	Copper alloy, gold over nickel plated
Side 1 Contact Plating:	Brass, Gold over 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:	18 AWG
Number of Wires:	4
Conductor Material:	Cu
Wire Insulation Material:	PVC
Insulated Wire Diameter:	Ø 2.0 mm
UL Cable Type:	1007/1569
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.

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