lumbergautomation
A BELDEN BRAND



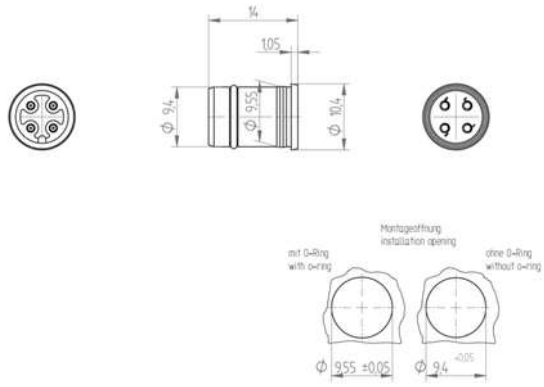
Product: RSE 4

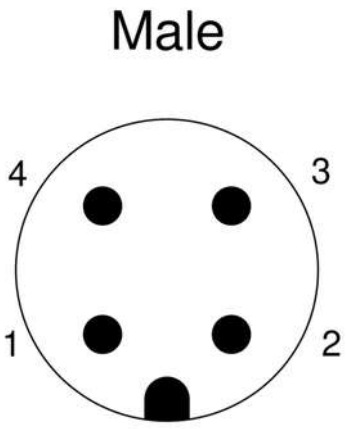
M12 Insert Sensor/Actuator Receptacle Connector: Male, insert with O-ring, M12 - mating side, solder contacts - connecting side, 4-pin, A-coded, unshielded, black body, 150 V AC/DC, 4 A

Product Description

M12 Insert Sensor/Actuator Receptacle Connector: Male, insert with O-ring, M12 - mating side, solder contacts - connecting side, 4-pin, A-coded, unshielded, black body, 150 V AC/DC, 4 A

Technical Drawing





Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Insert
Mating Side:	M12
Connecting Side:	Solder Contacts
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Male
Connector Design:	Insert with O-ring
Number of Pins:	4
Coding:	A
Rated Voltage:	150 V
Rated Voltage (UL):	AWG 22&24: 300 V AC/DC; AWG 26: 30 V AC/DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	150 V AC/DC
Rated Current*:	4 A
Rated Current (UL)*:	AWG 22&24: 4 A; AWG 26: 2 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100

Type of Connection:	Solder
Suitable Conductor Cross Section:	Solid wires: 0.22 mm² to 0.75 mm² / Standed wires: 0.22 mm² to 0.5 mm²
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65, 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:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Potted:	No
O-Ring Material:	FKM

Approvals

UL-File:	E315587
UL:	cURus

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.
Note:	The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101.
UL Note:	The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101

Variants

Item #	Item Description
11609	RSE 4

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