



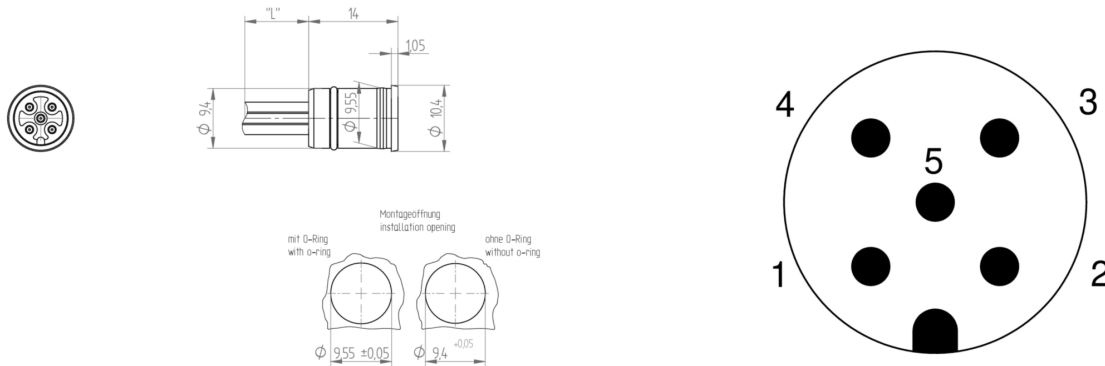
**Product:** [RSE 5 M](#)

M12 Insert Sensor/Actuator Receptacle Connector: Male, insert with O-ring, M12 - mating side, stranded wires - connecting side, 5-pin, A-coded, unshielded, black body, 50 V AC / 60 V DC, 4 A

### Product Description

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### Technical Drawing



### Technical Specifications

#### 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.
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	Cable Length
108345	RSE 5/0,5 M	0.5 m

#### Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	green-yellow

#### Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	M12 Insert

Mating Side:	M12
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation
Connector Type:	Receptacle
Side 1 Type of Contact/Gender:	Male
Connector Design:	Insert with O-ring
Number of Pins:	5
Coding, Side 1:	A
Voltage Rating:	60 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Rated Current (UL)*:	4 A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Type of Connection:	Solder
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65, IP67
Side 1 Design Standard:	Pin assignment deviating from IEC 61076-2-101 and IEC 61140
Side 1 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:	CuZn
Side 1 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

## Cable Data

Cable Number:	908 09 / 908 43
Conductor Size:	4x0.355 mm <sup>2</sup> +1x0.50 mm <sup>2</sup> (GNYE)
Number of Wires:	5
Conductor Material:	Cu
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.55 mm ± 0.1 mm / ø 1.8 mm ± 0.1 mm (GNYE)
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	- 20 °C - + 90 °C
UL Cable Type:	AWM: 1007+1679 (GNYE)
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL-VW1
Core Colors:	black, white, blue, brown, yellow/green

## Approvals

UL-File:	E315587
UL:	cURus

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