



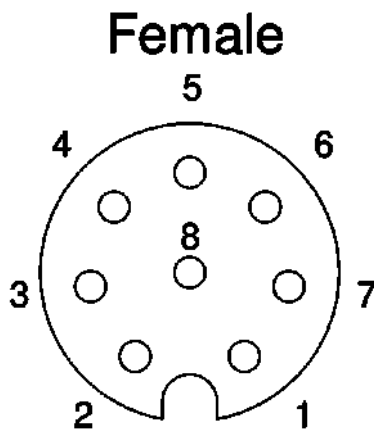
Product: [RKE 8 M](#)

M12 Insert Sensor/Actuator Receptacle Connector: Female, insert with O-ring, M12 - mating side, stranded wires - connecting side, 8-pin, A-coded, unshielded, black body, 30 V AC/DC, 2 A

Product Description

M12 Insert Sensor/Actuator Receptacle Connector: Female, insert with O-ring, M12 - mating side, stranded wires - connecting side, 8-pin, A-coded, unshielded, black body, 30 V AC/DC, 2 A

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white	brown	green	yellow	grey	pink	blue	red

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Insert
Mating Side:	M12
Connecting Side:	Stranded Wires
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Female
Connector Design:	Insert with O-ring
Number of Pins:	8
Coding:	A
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current*:	2 A
Contact Resistance:	≤ 10 mOhm

Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Type of Connection:	Crimp
Ambient Temperature (Operation)*:	- 25 °C - + 85 °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:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Potted:	no
O-Ring Material:	FKM

Additional Technical Data

Accessories to Order Separately:	000-029-751 FKM O-ring
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Cable Data

Cable Number:	908 44
Conductor Size:	0.227 mm ²
Number of Wires:	8
Conductor material:	Cu
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.45 mm ± 0.1 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	- 20 °C - + 90 °C
UL Cable Type:	AWM: 1007
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL-VW1, CSA-FT1
Core Colors:	blue, brown, red, green, yellow, pink, grey, white

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.

Variants

Item #	Item Description	Cable Length	Rated Current	Contact Bearer Color
74212	RKE 8/0,5 M	0.5 m	2 A	Black

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