



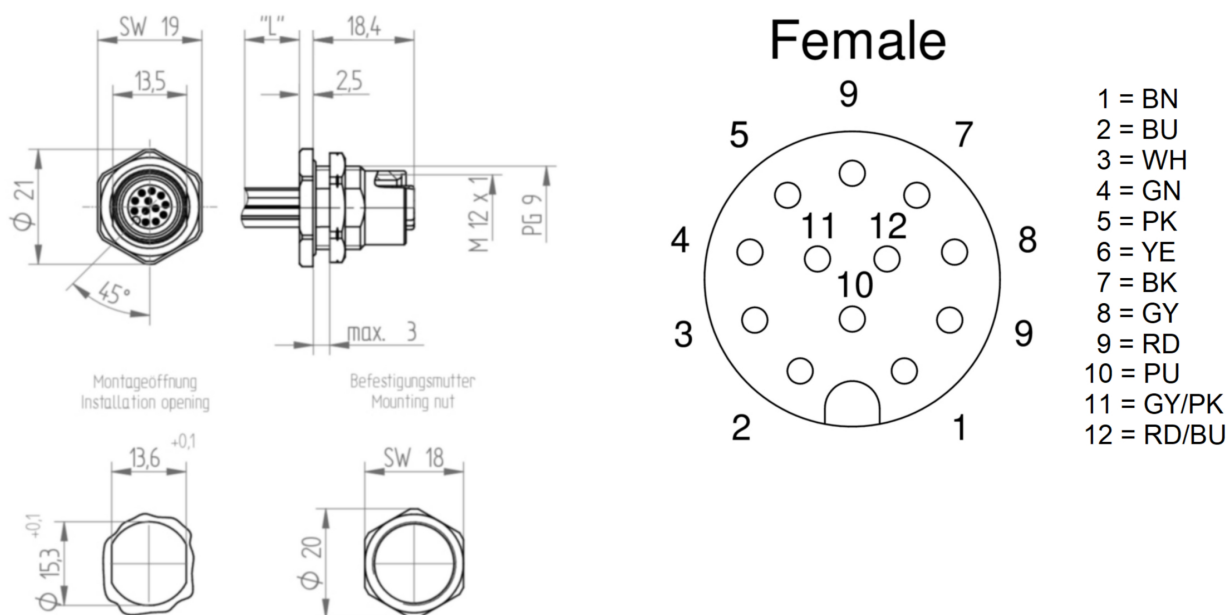
Product: [RKH 12 M](#) 

Sensor / Actuator Connector: M12 Standard, Receptacle, PG9 Rear Mount, Female, 12-pole, 30 V | 1.5 A; with PVC, 12 x 0.227mm² wires

Product Description

Sensor / Actuator Connector: M12 Standard, Receptacle, PG9 Rear Mount, Female, 12-pole, 30 V | 1.5 A; with PVC, 12 x 0.227mm² wires

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connector
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:	Rear Mount
Number of Pins:	12
Coding, Side 1:	A
Attachment Type:	M12x1, Internal Thread
Voltage Rating:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC

Current Rating:	1.5 A
Side 1 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
Side 1 Design Standard:	IEC 61076-2-101
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:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	TPU-GF
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Potted:	Yes
Housing Material:	CuZn
Housing Plating:	Nickel-Plated
Housing Color:	Silver
Attachment Material:	Lock Nut, CuZn
Attachment Plating:	Lock Nut, Nickel-Plated
O-Ring Material:	FKM, green or black

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
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Cable Data

Cable Number:	908 44
Conductor Size:	0.227 mm ²
Number of Wires:	12
Minimal Bending Radius (Fixed Inst):	> 7 x D
Conductor Material:	Cu [Bare Copper]
Wire Insulation Material:	PVC
Insulated Wire Diameter:	Ø 1.45 mm
Ambient Temperature (Fixed Installation):	- 40 to +90°C
Ambient Temperature (Flex Installation):	- 20 to +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, black, violet, grey/pink, red/blue

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product

Variants

Item #	Item Description
33616	RKH 12/2 M
3719	RKH 12/0,5 M

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