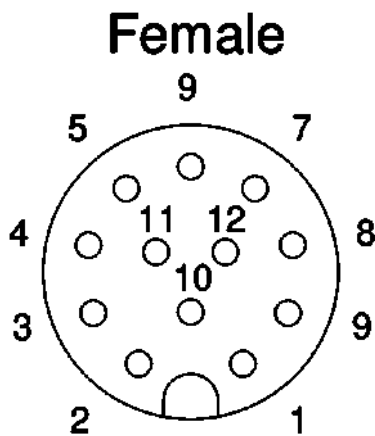**IMAGE COMING SOON**

Product: [RKHLS 12/S 5,5](#) ⤴

M12 Standard Sensor/Actuator Receptacle Connector: Female, rear mount with shielding clip, M12 - mating side, print contacts - connecting side, 12-pin, A-coded, shielded, metallic grey housing, 30 V AC/DC, 1.5 A

Product Description

M12 Standard Sensor/Actuator Receptacle Connector: Female, rear mount with shielding clip, M12 - mating side, print contacts - connecting side, 12-pin, A-coded, shielded, metallic grey housing, 30 V AC/DC, 1.5 A

Technical Drawing

Female

9
5   7
11 12
4   8
10
3   9
2   1

Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Print Contacts
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Female
Connector Design:	Rear Mount with Shielding Clip
Number of Pins:	12
Coding:	A
Shielding:	Shielded
Attachment Type:	Screw-Locking
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current*:	1.5 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100

Type of Connection:	PCB
Thread Size:	PG9
Thread Material:	CuZn
Thread Plating:	Nickel-plated
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	In style of 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-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:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	Shielding Clip: CuZn, Ag-plated
O-Ring Material:	FKM

Additional Technical Data

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

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.

Variants

Item #	Item Description	Rated Current	Housing Color	Housing Material	Contact Bearer Color
102735	RKHLS 12/S 5,5	1.5 A	Silver	CuZn	Orange