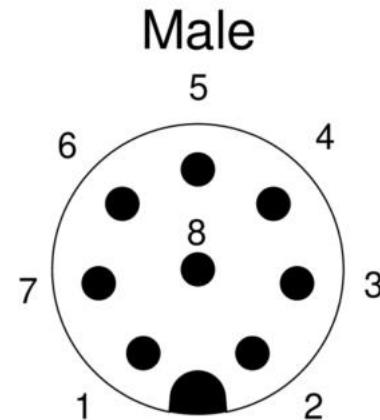
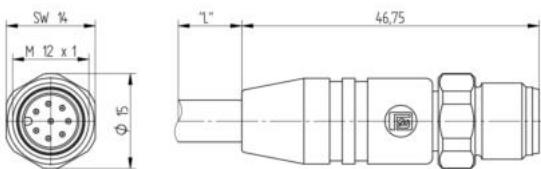



Product: [RSTSN 8-299](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, shielded, orange body, 30 V AC/DC, 2 A; PUR black cable, 8-wires, 0.25 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, shielded, orange body, 30 V AC/DC, 2 A; PUR black cable, 8-wires, 0.25 mm²

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 Standard	
Brand:	Lumberg Automation	
Connector Type:	Cordset, single ended	
Type of Contact / Gender:	Male	
Connector Design:	Straight	
Number of Pins:	8	
Coding:	A	
Shielding:	Shielded	
Attachment Type:	Coupling Screw	
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
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (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
Molded Body Material:	TPU
Molded Body Color:	Orange
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Stainless Steel
Shielding Material:	Stainless Steel

Additional Technical Data

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

Cable Number:	299
Conductor Size:	0.25 mm ²
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black matt similarly RAL 9005
Cable Diameter D:	ø 6.60 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.20 ± 0.05 mm
Overall Shield (Cable):	Mesh wire
Ambient Temperature (Fixed Installation):	- 50 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
Oil Resistance:	Good chemical and oil resistance

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length	Rated Current
106713	RSTSN 8-299/12 M	12 m	2 A

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