



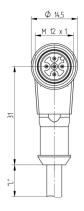
# Product: RSWT 5-293

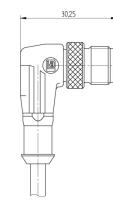
M12 Standard Sensor/Actuator Single-Ended Cordset: Male, angled, 5-pin, A-coded, translucent body, 50 V AC / 60 V DC, 4 A; PUR black cable, 5-wires, 0.34 mm<sup>2</sup>

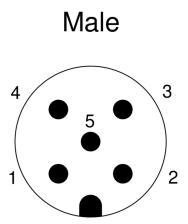
# **Product Description**

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### **Technical Drawing**







# **Technical Specifications**

#### Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	grey

#### **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:	Angled
Number of Pins:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	60 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Rated Current (UL)*:	4 A

Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65, IP67, IP68 (1 m / 24 h), 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:	CuSn
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:	Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated

### **Additional Technical Data**

Fastening Torque (Attachment):

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

### Cable Data

Cable Number:	293	
Conductor Size:	0.34 mm <sup>2</sup>	
Number of Wires:	5	
Minimal Bending Radius (Fixed Inst):	>5xD	
Minimal Bending Radius (Flexible Inst):	> 10 x D	
Cycles (Bending):	>5M	
Cycles (Torsion):	> 5 M @ ± 360 °/1 m	
Conductor material:	Cu	
Cable Jacket Material:	PUR	
Cable Jacket Color:	black matt similarly RAL 9005	
Cable Diameter D:	ø 5.0 ± 0.20 mm	
Wire Insulation Material:	PP	
Insulated Wire Diameter:	ø 1.30 ± 0.10 mm	
Ambient Temperature (Fixed Installation):		
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; Free of lacquer wetting disturbing substances; Coldness flexibility	

# Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant: yes	
Resistances	
Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
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
107977	RSWT 5-293/0,5 M	0.5 m	4 A

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