



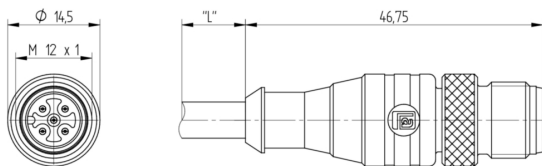
## Part Number: RST 5-56

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

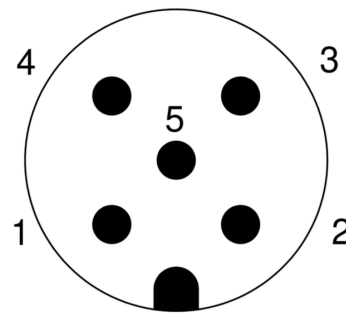
### Product Description

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### Technical Drawing



## Male



### 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:	Straight
Number of Pins:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	60 V
Rated Voltage (UL):	250 V AC
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 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation):	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 50 °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)
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:	Orange
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
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## Cable Data

Cable Number:	056
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 M
Conductor material:	Cu
Cable Jacket Material:	PVC class 43
Cable Jacket Color:	orange
Cable Diameter D:	ø 5.70 ± 0.20 mm
Wire Insulation Material:	PVC class 43
Insulated Wire Diameter:	ø 1.50 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 80 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	+ 5 °C - + 60 °C
UL Cable Type:	AWM: 2464
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1
Cable Characteristics:	LABS-free of lacquer wetting disturbing substances; Exclusion of silicone

## Approvals

UL-File:	E104696
UL:	UL 2238; cURus

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Oil Resistance:	Good chemical and oil resistance
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## Notes

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

**Variants**

Item #	Item Description	Cable Length
934636736	RST 5-56/0,3 M	0.3 m
3838	RST 5-56/1 M	1 m
14821	RST 5-56/1,2 M	1.2 m
11771	RST 5-56/1,5 M	1.5 m
12016	RST 5-56/2 M	2 m
12017	RST 5-56/5 M	5 m
12015	RST 5-56/10 M	10 m
608	RST 5-56/15 M	15 m
2648	RST 5-56/20 M	20 m
814	RST 5-56/30 M	30 m

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