



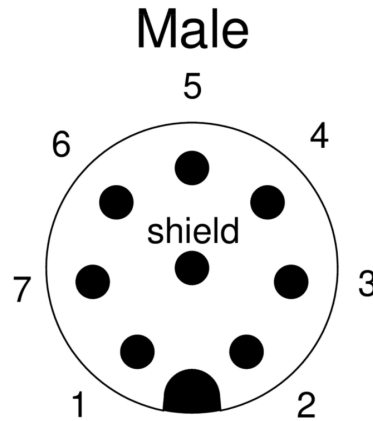
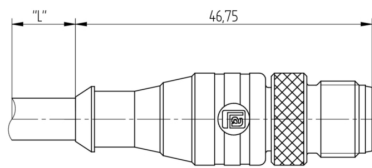
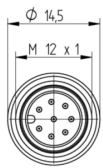
Product: [RST 8-282](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, orange body, 30 V AC/DC, 2 A; PUR black cable, 7-wires, 0.25 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, orange body, 30 V AC/DC, 2 A; PUR black cable, 7-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	shield

Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Number of Pins:	8
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Coupling Screw
Voltage Rating:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Current Rating:	2 A
Side 1 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, IP68 (1 m / 24 h), IP69K
Side 1 Design Standard:	IEC 61076-2-101
Side 1 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
Side 1 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:	282
Conductor Size:	0.25 mm ²
Number of Wires:	7
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 6.0 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.17 mm
Foil shield:	Al-PT
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 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:	Free of lacquer wetting disturbing substances; 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
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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.

History

Update and Revision:	Revision Number: 0.74 Revision Date: 02-20-2026
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Variants

Item #	Item Description	Cable Length	Rated Current
272	RST 8-282/20 M	20 m	2 A
3086	RST 8-282/4 M	4 m	2 A
4633	RST 8-282/3 M	3 m	2 A
47076	RST 8-282/2 M	2 m	2 A
64544	RST 8-282/10 M	10 m	2 A
64545	RST 8-282/5 M	5 m	2 A
934637555	RST 8-282/25 M	25 m	2 A
934636241	RST 8-282/0,5 M	0.5 m	2 A
21203	RST 8-282/1 M	1 m	2 A
600004531	RST 8-282/10 M	10 m	2 A

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