lumbergautomation
A BELDEN BRAND



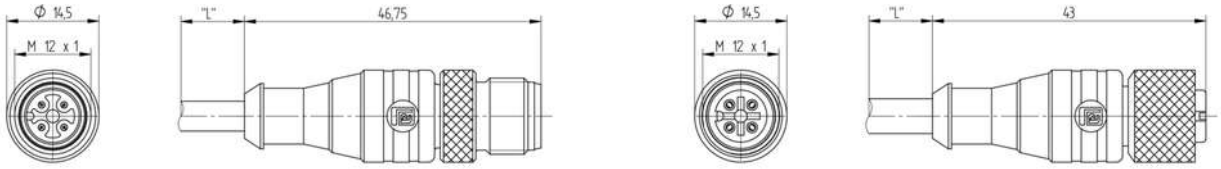
Product: RST 4-RKT 4-07

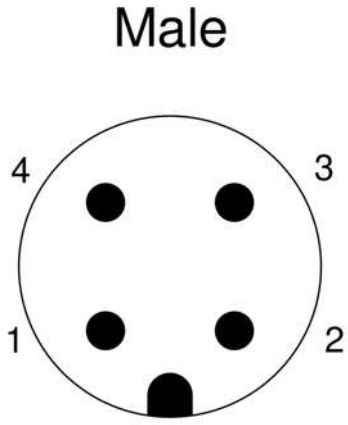
Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M12 Standard connector to female straight A-coded translucent 4-pin M12 Standard connector, 230 V AC/DC, 4 A; PVC orange cable, 4-wires, 0.25 mm²

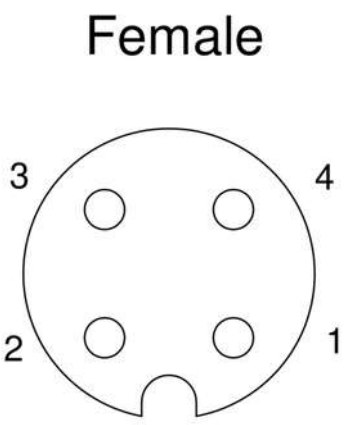
Product Description

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M12 Standard connector to female straight A-coded translucent 4-pin M12 Standard connector, 230 V AC/DC, 4 A; PVC orange cable, 4-wires, 0.25 mm²

Technical Drawing







Technical Specifications

Face View Side 1

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

Face View Side 2

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

Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	250 V
Rated Voltage (UL):	250 V AC
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	4 A
Rated Current (UL)*:	2.5 A

Technical Data Side 1

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding:	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
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
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
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	007
Conductor Size:	0.25 mm²
Number of Wires:	4
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
Cable Jacket Color:	orange
Cable Diameter D:	ø 5.0 ± 0.2 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.35 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	+ 5 °C - + 90 °C (UL: + 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:	Free of lacquer wetting disturbing substances; Exclusion of silicone

Technical Data Side 2

Product Sub Family, Side 2:	M12 Standard
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	4
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Operating Temperature (UL), Side 2:	max. + 50 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-101
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Oil Resistance:	Good chemical and oil resistance

Notes

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice derating

Variants

Item #	Item Description	Cable Length
6648	RST 4-RKT 4-07/1,2 M	1.2 m
14388	RST 4-RKT 4-07/2 M	2 m
65156	RST 4-RKT 4-07/0,6 M	0.6 m
14386	RST 4-RKT 4-07/1 M	1 m
60133	RST 4-RKT 4-07/10 M	10 m
4629	RST 4-RKT 4-07/15 M	15 m
934636613	RST 4-RKT 4-07/20 M	20 m
18328	RST 4-RKT 4-07/35 M	35 m
18329	RST 4-RKT 4-07/45 M	45 m

14387	RST 4-RKT 4-07/5 M	5 m

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