lumbergautomation
A BELDEN BRAND



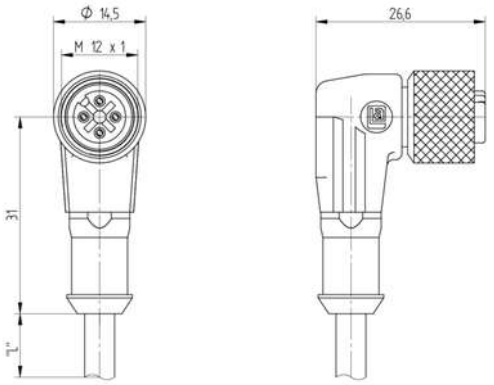
Product: RKWT 4-34

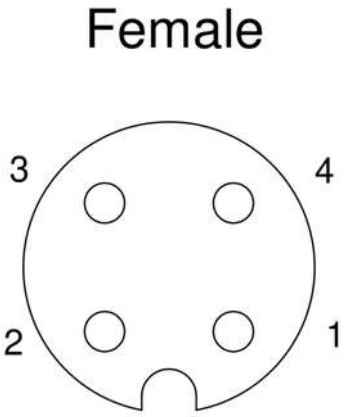
M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 4-pin, A-coded, translucent body, 230 V AC/DC, 4 A; TPU orange cable, 4-wires, 0.50 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 4-pin, A-coded, translucent body, 230 V AC/DC, 4 A; TPU orange cable, 4-wires, 0.50 mm²

Technical Drawing





Technical Specifications

Face View

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

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
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):	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:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

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
O-Ring Material:	FKM, green

Additional Technical Data

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

Cable Data

Cable Number:	034
Number of Wires:	4
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:	TPU
Cable Jacket Color:	orange matt similarly RAL 2003
Cable Diameter D:	ø 5.5 ± 0.2 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.65 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 5 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	max. + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	IEC 60332-1 , VDE 0482-265-2-1 , EN 50265-2-1 , UL-FT2
Cable Characteristics:	Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Good microbes and hydrolysis resistance; Coldness flexibilty

Approvals

UL-File:	E104696
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN VDE 0482 Teil 267, EN 50267-2-1, IEC 60754-1
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
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
93660	RKWT 4-34/1,5 M	1.5 m

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