lumbergautomation
A BELDEN BRAND



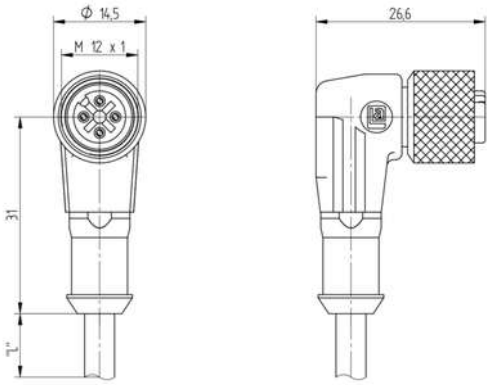
Product: RKWT 4-07

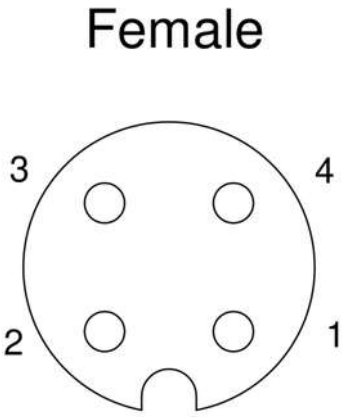
M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 4-pin, A-coded, translucent body, 230 V AC/DC, 4 A; PVC orange cable, 4-wires, 0.25 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 4-pin, A-coded, translucent body, 230 V AC/DC, 4 A; PVC orange cable, 4-wires, 0.25 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)*:	2.5 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)

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:	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

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Oil Resistance:	Good chemical and oil resistance

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.
Product Characteristics:	Very good vibration and shock resistance

Variants

Item #	Item Description	Cable Length	Rated Current
11435	RKWT 4-07/10 M	10 m	4 A
11436	RKWT 4-07/2 M	2 m	4 A
11437	RKWT 4-07/5 M	5 m	4 A
79769	RKWT 4-07/0,5 M	0.5 m	4 A
81531	RKWT 4-07/1 M	1 m	4 A
13583	RKWT 4-07/15 M	15 m	4 A
13605	RKWT 4-07/20 M	20 m	4 A
17773	RKWT 4-07/25 M	25 m	4 A
13606	RKWT 4-07/3 M	3 m	4 A
24857	RKWT 4-07/30 M	30 m	4 A
60988	RKWT 4-07/40 M	40 m	4 A
57147	RKWT 4-07/50 M	50 m	4 A

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