



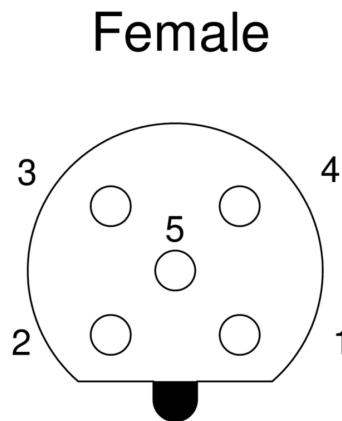
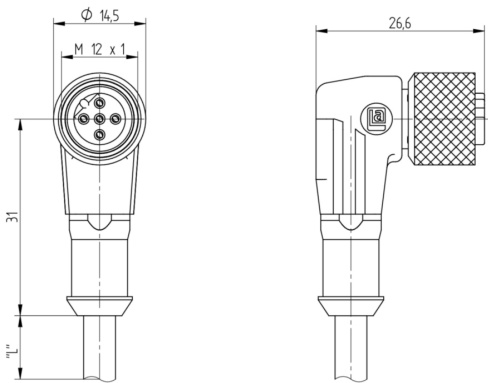
**Product:** [RKWT 5B-70](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 5-pin, B-coded, orange body, 50 V AC / 60 V DC, 4 A; PVC orange cable, 5-wires, 4x0.34 mm<sup>2</sup>+1x0.50 mm<sup>2</sup>(GNYE)

**Product Description**

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**Technical Drawing**



**Technical Specifications**

**Face View**

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	green-yellow

**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:	Female
Connector Design:	Angled
Number of Pins:	5
Coding, Side 1:	B
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm

Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 25 °C - + 70 °C
Protection Degree / IP Rating**:	IP65, IP67
Side 1 Design Standard:	Pin assignment deviating from IEC 61076-2-101 and IEC 61140
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
Contact Bearer Color:	Black
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
O-Ring Material:	FKM, green

## Additional Technical Data

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

Cable Number:	070
Conductor Size:	4x0.34 mm <sup>2</sup> + 1x0.50 mm <sup>2</sup> (GNYE)
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Welding Resistance:	Welding spark resistant
Conductor Material:	Cu
Cable Jacket Material:	PVC Crosslinked
Cable Jacket Color:	orange
Cable Diameter D:	ø 6.0 ± 0.2 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.50 mm @ 0.34 mm <sup>2</sup> ; ø 1.60 mm @ 0.50 mm <sup>2</sup>
Ambient Temperature (Fixed Installation):	- 40 °C - + 70 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 70 °C
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2
Cable Characteristics:	Heat-pressure resistance to 110°; LABS-free of lacquer wetting disturbing substances; Exclusion of silicone
Core Colors:	brown, white, blue, black, green-yellow

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Oil Resistance:	Good chemical and oil resistance
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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: 0.82 Revision Date: 02-20-2026
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## Variants

Item #	Item Description	Cable Length	Rated Current
13636	RKWT 5B-70/5 M	5 m	4 A

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