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A BELDEN BRAND

Product: RKWT 3U-18

1/2"-20UNF-2B Sensor/Actuator Single-Ended Cordset: Female, angled, 3-pin, U-coded, yellow body, 230 V AC/DC, 4 A; PVC yellow cable, 3-wires, 0.38 mm²

Product Description

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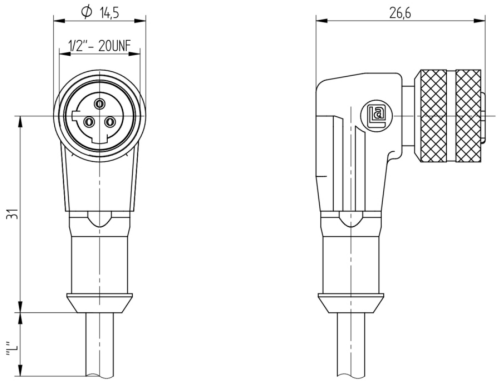
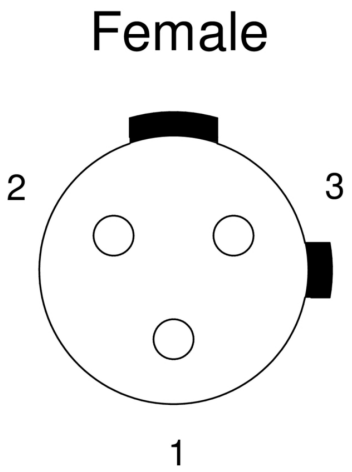
Technical Drawing





Technical Specifications

Face View

Pin 1	Pin 2	Pin 3
green	red-black	red-white

Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	1/2"-20UNF-2B
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Female
Connector Design:	Angled
Number of Pins:	3
Coding, Side 1:	U (1/2"-20UNF-2B)
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
Voltage Rating:	250 V
Rated Voltage (UL):	250 V AC
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Current Rating:	4 A
Rated Current (UL)*:	4 A

Side 1 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
Side 1 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
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:	Yellow
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Gasket Material:	FKM

Additional Technical Data

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

Cable Data

Cable Number:	018
Conductor Size:	0.38 mm²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor Material:	Cu
Cable Jacket Material:	PVC class 43
Cable Jacket Color:	yellow
Cable Diameter D:	ø 5.0 ± 0.2 mm
Wire Insulation Material:	PVC class 43
Insulated Wire Diameter:	ø 1.50 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 90 °C
UL Cable Type:	AWM: 2654
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1
Cable Characteristics:	LABS-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

History

Update and Revision:	Revision Number: 0.41 Revision Date: 02-20-2026

Variants

Item #	Item Description	Cable Length	Rated Current
11432	RKWT 3U-18/10 M	10 m	4 A
11433	RKWT 3U-18/2 M	2 m	4 A
11434	RKWT 3U-18/5 M	5 m	4 A

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