lumbergautomation
A BELDEN BRAND



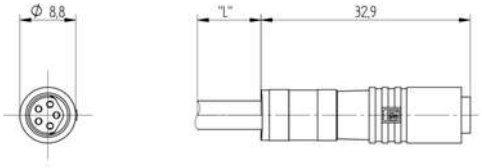
Product: RKM 5-671

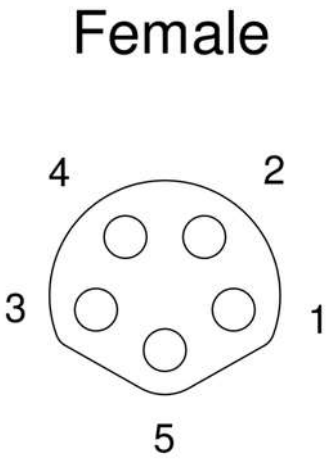
M8 Snap-In Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, B-coded, translucent body, 50 V AC / 60 V DC, 4 A; PVC black cable, 5-wires, 0.34 mm²

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	grey

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M8 Snap-In
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	5
Coding:	B
Shielding:	Unshielded
Attachment Type:	Snap-Locking
Rated Voltage:	60 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current:	4 A
Rated Current (UL):	3 A

Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation):	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 75 °C
Protection Degree / IP Rating:	IP65
Design Standard:	IEC 61076-2-104
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:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA 66 GF
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Plating:	Nickel-plated

Cable Data

Cable Number:	671
Number of Wires:	5
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:	black
Cable Diameter D:	ø 5.2 ± 0.20 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.30 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 2464
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
Cable Characteristics:	Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Coldness flexibilty

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
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

934871001	RKM 5-671/2 M	2 m
934871002	RKM 5-671/5 M	5 m
934871003	RKM 5-671/10 M	10 m
934871004	RKM 5-671/15 M	15 m
934871005	RKM 5-671/20 M	20 m
934871006	RKM 5-671/25 M	25 m

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