



## Product: RKM 5-293 ☑

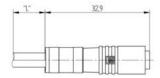
M8 Snap-In Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, B-coded, translucent body, 50 V AC / 60 V DC, 4 A; PUR black cable, 5-wires, 0.34 mm<sup>2</sup>

#### **Product Description**

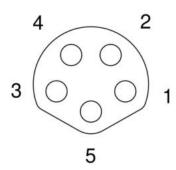
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#### **Technical Drawing**



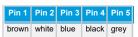


## Female



#### **Technical Specifications**

#### Face View



#### **Technical Data**

100mmour 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 B
Shielding:	Unshielded
Attachment Type:	Snap-Locking 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:	293	
Conductor Size:	0.34 mm <sup>2</sup>	
Number of Wires:	5	
Minimal Bending Radius (Fixed Inst):	>5xD	
Minimal Bending Radius (Flexible Inst):	>10 x D	
Cycles (Bending):	>5 M	
Cycles (Torsion):	> 5 M @ ± 360 °/1 m	
Conductor material:	Cu	
Cable Jacket Material:	PUR	
Cable Jacket Color:	black matt similarly RAL 9005	
Cable Diameter D:	ø 5.0 ± 0.20 mm	
Wire Insulation Material:	PP	
Insulated Wire Diameter:	ø 1.30 ± 0.10 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: 20549	
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2	
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Free of lacquer wetting disturbing substances; Coldness flexibility	

## **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

#### 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.	

#### Variants

# AbN automation

Item #	Item Description	Cable Length
934871007	RKM 5-293/2 M	2 m
934871008	RKM 5-293/5 M	5 m
934871009	RKM 5-293/10 M	10 m
934871010	RKM 5-293/15 M	15 m
934871011	RKM 5-293/20 M	20 m
934871012	RKM 5-293/25 M	25 m

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