



**Product:** [RSM 5-RKM 5-671](#)

Sensor/Actuator Double-Ended Cordset: Male straight B-coded translucent 5-pin M8 Snap-In connector to female straight B-coded translucent 5-pin M8 Snap-In connector, 50 V AC / 60 V DC, 4 A; PVC black cable, 5-wires, 0.34 mm<sup>2</sup>

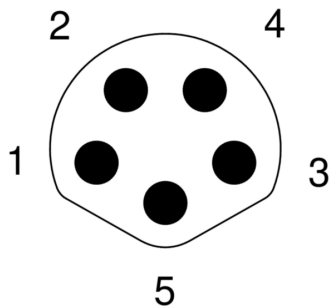
**Product Description**

Sensor/Actuator Double-Ended Cordset: Male straight B-coded translucent 5-pin M8 Snap-In connector to female straight B-coded translucent 5-pin M8 Snap-In connector, 50 V AC / 60 V DC, 4 A; PVC black cable, 5-wires, 0.34 mm<sup>2</sup>

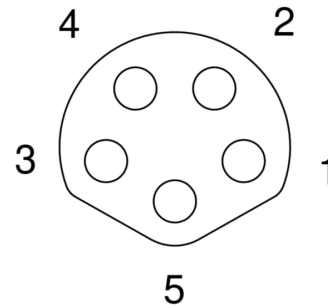
**Technical Drawing**



**Male**



**Female**



**Technical Specifications**

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	grey

Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
brown	white	blue	black	grey

## Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	60 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Rated Current (UL)*:	3 A

## Technical Data Side 1

Side 1 Product Sub Family:	M8 Snap-In
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Attachment Type:	Snap- and Screw-Locking
Number of Pins:	5
Coding, Side 1:	B
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 75 °C
Protection Degree / IP Rating**:	IP65 (in combination with female M8 Snap-In connector); IP65, IP67 (in combination with female M8 Standard connector)
Side 1 Design Standard:	IEC 61076-2-104
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)
Contact Base Material:	CuZn
Side 1 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 Material:	CuZn
Attachment Plating:	Nickel-plated
Note:	Do not connect or disconnect under load.

## Cable Data

Cable Number:	671
Conductor Size:	0.34 mm <sup>2</sup>
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 Flexibility

## Technical Data Side 2

Side 2 Product Sub Family:	M8 Snap-In
Side 2 Type of Contact/Gender:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Snap-Locking
Number of Pins, Side 2:	5
Coding, Side 2:	B
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Operating Temperature (UL), Side 2:	max. + 75 °C
Protection Degree / IP Rating, Side 2**:	IP65
Design Standard, Side 2:	IEC 61076-2-104
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuZn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PA 66 GF
Contact Bearer Color, Side 2:	Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Flammability Class (Molded Body), Side 2:	UL 94 HB

## Approvals

UL-File:	E315587
UL:	UL 2238; cURus

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## 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

## Variants

Item #	Item Description	Cable Length
934894001	RSM 5-RKM 5-671/0,3 M	0.3 m
934894002	RSM 5-RKM 5-671/0,6 M	0.6 m
934894003	RSM 5-RKM 5-671/1 M	1 m
934894004	RSM 5-RKM 5-671/2 M	2 m
934894005	RSM 5-RKM 5-671/3 M	3 m
934894006	RSM 5-RKM 5-671/5 M	5 m
934894007	RSM 5-RKM 5-671/10 M	10 m
934894008	RSM 5-RKM 5-671/15 M	15 m

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