



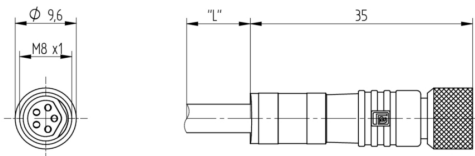
Product: [RKMV 5-506](#)

M8 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, B-coded, translucent body, 50 V AC / 60 V DC, 3 A; PUR black cable, 5-wires, 0.25 mm²

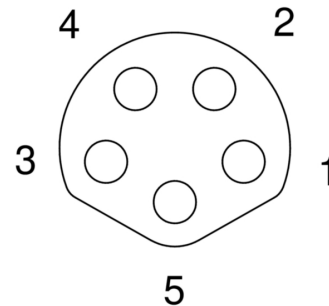
Product Description

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Technical Drawing



Female



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
Side 1 Product Sub Family:	M8 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Female
Connector Design:	Straight
Number of Pins:	5
Coding, Side 1:	B
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
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:	3 A
Rated Current (UL)*:	3 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. + 75 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
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)

Materials

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
O-Ring Material:	FKM, green

Additional Technical Data

Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight
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Cable Data

Cable Number:	506
Conductor Size:	0.25 mm ²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 5.0 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.20 ± 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):	UL Horizontal Flametest, CSA FT2

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Oil Resistance:	IEC 60811-2-1
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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.

Variants

Item #	Item Description	Cable Length
934841019	RKMV 5-506/2 M	2 m
934841020	RKMV 5-506/5 M	5 m
934841021	RKMV 5-506/10 M	10 m
934841022	RKMV 5-506/15 M	15 m
934841023	RKMV 5-506/20 M	20 m
934841024	RKMV 5-506/25 M	25 m

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