lumbergautomation
A BELDEN BRAND

Product: RSM 5-RKM 5-506

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, 3 A; PUR black cable, 5-wires, 0.25 mm²

Product Description

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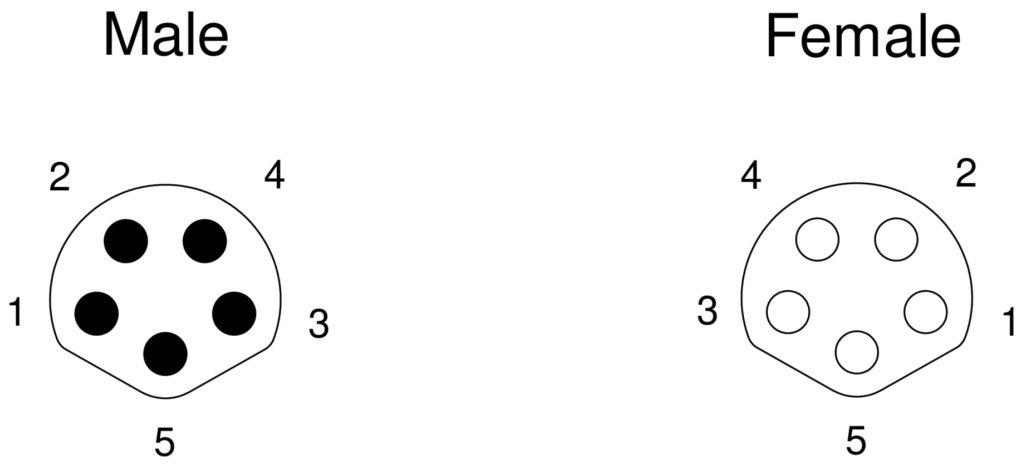
Technical Drawing



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:	Unshielded
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*:	3 A
Rated Current (UL)*:	3 A

Technical Data Side 1

Product Sub Family:	M8 Snap-In
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Snap- and Screw-Locking
Number of Pins:	5
Coding:	B
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 (in combination with female M8 Snap-In connector); IP65, IP67 (in combination with female M8 Standard connector)
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)
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 Material:	CuZn
Attachment Plating:	Nickel-plated
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	506
Conductor Size:	0.25 mm²
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

Technical Data Side 2

Product Sub Family, Side 2:	M8 Snap-In
Type of Contact / Gender, Side 2:	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:	> 10^9 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

Resistances

Oil Resistance:	IEC 60811-2-1

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
934894025	RSM 5-RKM 5-506/0,3 M	0.3 m
934894026	RSM 5-RKM 5-506/0,6 M	0.6 m
934894027	RSM 5-RKM 5-506/1 M	1 m
934894028	RSM 5-RKM 5-506/2 M	2 m
934894029	RSM 5-RKM 5-506/3 M	3 m
934894030	RSM 5-RKM 5-506/5 M	5 m
934894031	RSM 5-RKM 5-506/10 M	10 m
934894032	RSM 5-RKM 5-506/15 M	15 m

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