



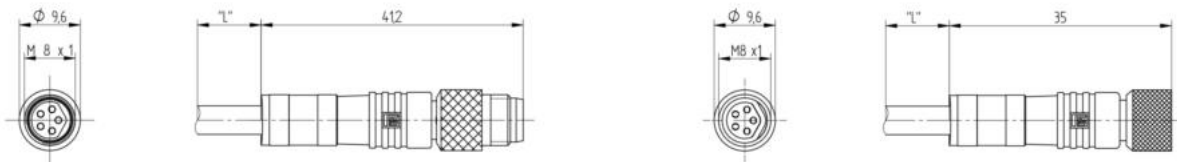
Product: [RSMV 5-RKMV 5-507](#)

Sensor/Actuator Double-Ended Cordset: Male straight B-coded translucent 5-pin M8 Standard connector to female straight B-coded translucent 5-pin M8 Standard connector, 50 V AC / 60 V DC, 3 A; PVC black cable, 5-wires, 0.25 mm²

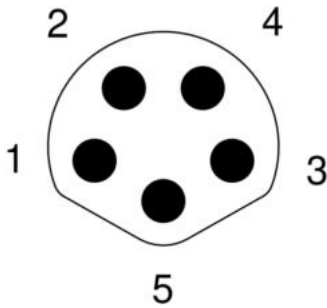
Product Description

Sensor/Actuator Double-Ended Cordset: Male straight B-coded translucent 5-pin M8 Standard connector to female straight B-coded translucent 5-pin M8 Standard connector, 50 V AC / 60 V DC, 3 A; PVC black cable, 5-wires, 0.25 mm²

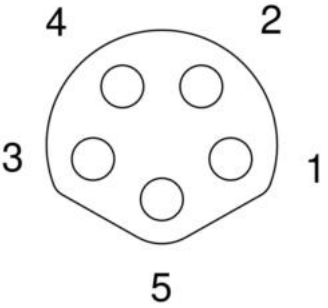
Technical Drawing



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:	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 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
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, IP67, IP69K
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
Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	507
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
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	black
Cable Diameter D:	ø 5.0 ± 0.20 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.22 ± 0.10 mm
Ambient Temperature (Fixed Installation):	- 40 - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 5 - + 90 °C (UL: + 80 °C)
UL Cable Type:	AWM: 2464

Flammability Class (Cable Jacket):	IEC 60332-1-2
------------------------------------	---------------

Technical Data Side 2

Product Sub Family, Side 2:	M8 Standard
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Nut
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, IP67, IP69K
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
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 8x1: 30 Ncm, hand-tight

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

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
934894209	RSMV 5-RKMV 5-507/0,3 M	0.3 m
934894210	RSMV 5-RKMV 5-507/0,6 M	0.6 m
934894211	RSMV 5-RKMV 5-507/1 M	1 m
934894212	RSMV 5-RKMV 5-507/2 M	2 m
934894213	RSMV 5-RKMV 5-507/3 M	3 m
934894214	RSMV 5-RKMV 5-507/5 M	5 m
934894215	RSMV 5-RKMV 5-507/10 M	10 m
934894216	RSMV 5-RKMV 5-507/15 M	15 m

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.