lumbergautomation
A BELDEN BRAND



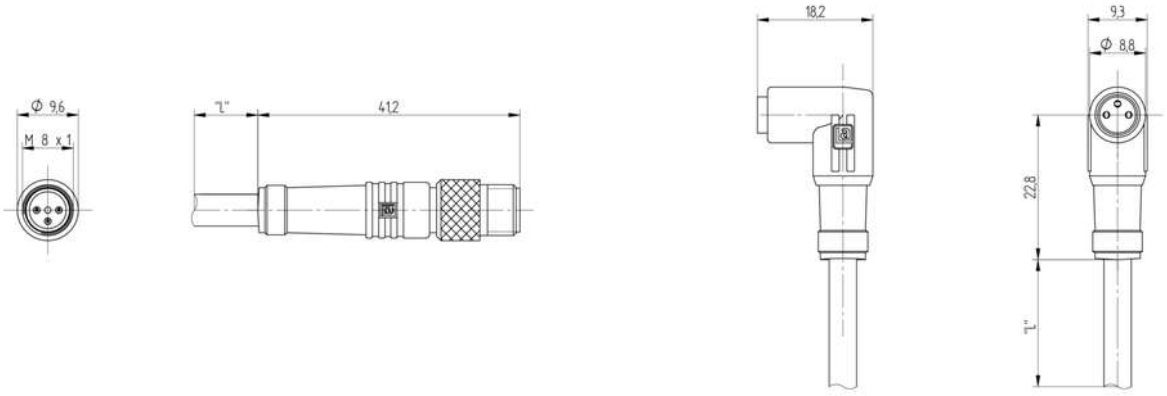
Product: RSMV 3-RKMW 3-294

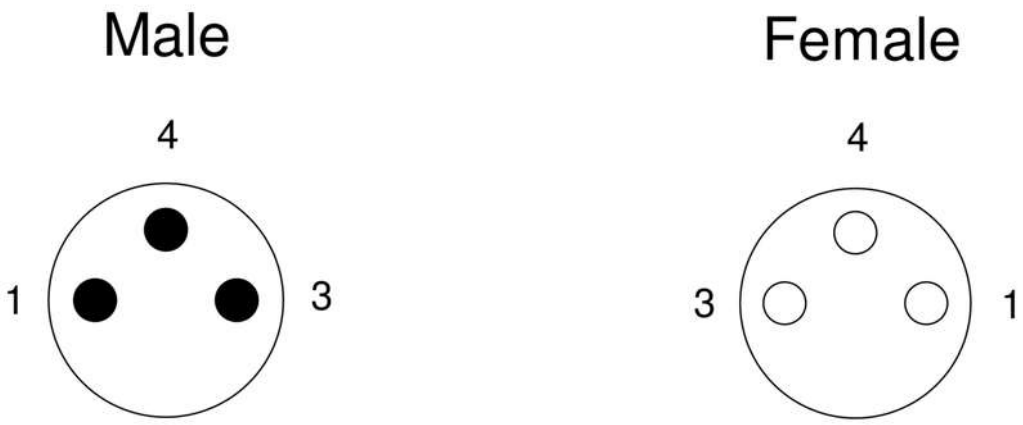
Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 3-pin M8 Standard connector to female angled A-coded translucent 3-pin M8 Snap-In connector, 50 V AC / 60 V DC, 4 A; PVC black cable, 3-wires, 0.34 mm²

Product Description

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 3-pin M8 Standard connector to female angled A-coded translucent 3-pin M8 Snap-In connector, 50 V AC / 60 V DC, 4 A; PVC black cable, 3-wires, 0.34 mm²

Technical Drawing





Technical Specifications

Face View Side 1

Pin 1	Pin 3	Pin 4
brown	blue	black

Face View Side 2

Pin 1	Pin 3	Pin 4
brown	blue	black

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:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current:	4 A
Rated Current (UL):	4 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:	3
Coding:	A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation):	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 70 °C
Protection Degree / IP Rating:	IP65, IP67
Design Standard:	IEC 61076-2-104
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
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:	294
Number of Wires:	3
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 class 43
Cable Jacket Color:	black
Cable Diameter D:	ø 5.0 ± 0.20 mm
Wire Insulation Material:	SR-PVC
Insulated Wire Diameter:	ø 1.45 mm
Ambient Temperature (Fixed Installation):	- 30 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 10 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	- 10 °C - + 60 °C

UL Cable Type:	AWM: 2464
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1
Cable Characteristics:	Free of lacquer wetting disturbing substances; Exclusion of silicone

Technical Data Side 2

Product Sub Family, Side 2:	M8 Snap-In
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Angled
Attachment Type, Side 2:	Snap-Locking
Number of Pins, Side 2:	3
Coding, Side 2:	A
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. + 70 °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:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
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:	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
4255	RSMV 3-RKMW 3-294/0,5 M	0.5 m
4225	RSMV 3-RKMW 3-294/1 M	1 m
14414	RSMV 3-RKMW 3-294/1,5 M	1.5 m
14548	RSMV 3-RKMW 3-294/2 M	2 m
14546	RSMV 3-RKMW 3-294/2,5 M	2.5 m
4305	RSMV 3-RKMW 3-294/3 M	3 m
4340	RSMV 3-RKMW 3-294/3,5 M	3.5 m
4321	RSMV 3-RKMW 3-294/4,5 M	4.5 m
4267	RSMV 3-RKMW 3-294/5,5 M	5.5 m

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