**lumberg**automation

A **BELDEN** BRAND

Product: RKMW/LED A 3-06 ☐

M8 Snap-In Sensor/Actuator Single-Ended Cordset: Female, angled, 3-pin, A-coded, translucent body, 10-30 V DC, 4 A, with 2xLEDs (PNP); PVC orange cable, 3-wires, 0.34 mm²

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Technical Drawing
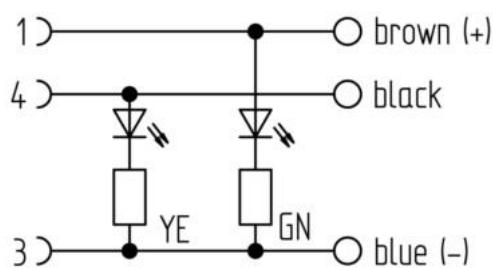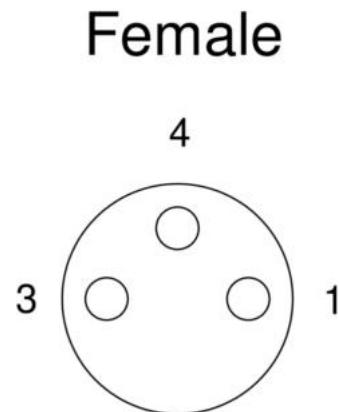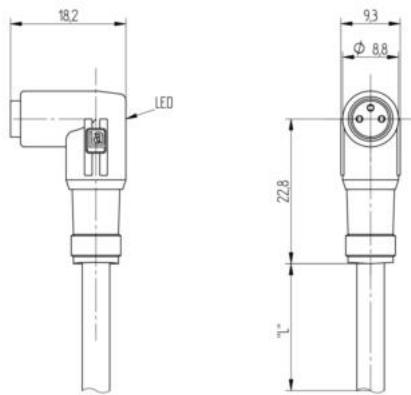
Technical Specifications

Face View

Pin 1	Pin 3	Pin 4
brown	blue	black

Technical Data

Product Family:	Sensor / Actuator Connectors

Product Sub Family:	M8 Snap-In
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Snap-Locking
Rated Voltage:	30 V
Rated Voltage (UL):	30 V DC
Rated Impulse Voltage:	0.5 kV
Operating Voltage:	10-30 V DC
Rated Current*:	4 A
Rated Current (UL)*:	4 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
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)

Materials

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

Protection Circuitry

Function Indicator:	2xLEDs (PNP)

Cable Data

Cable Number:	006
Conductor Size:	0.34 mm²
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
Cable Jacket Color:	orange
Cable Diameter D:	ø 5.0 ± 0.2 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.50 mm
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	+ 5 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	+ 5 °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

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Oil Resistance:	Good chemical and oil resistance

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
11318	RKMW/LED A 3-06/2 M	2 m
11319	RKMW/LED A 3-06/5 M	5 m