lumbergautomation
A BELDEN BRAND



Product: RKM 3-338

M8 Snap-In Sensor/Actuator Single-Ended Cordset: Female, straight, 3-pin, A-coded, translucent body, 50 V AC / 60 V DC, 2 A; PUR black cable, 3-wires, 0.14 mm²

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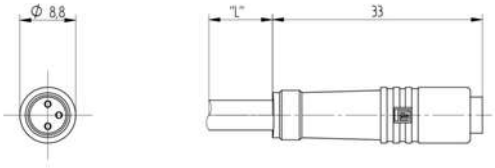
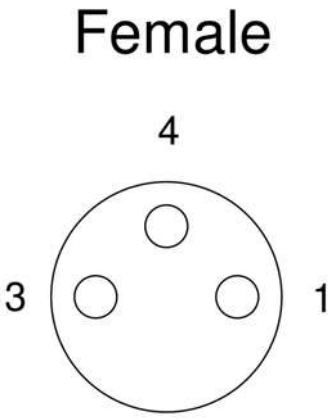
Technical Drawing





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:	Straight
Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Snap-Locking
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:	2 A
Rated Current (UL):	2 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

Cable Data

Cable Number:	338
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 3 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Cycles (Torsion):	> 2 M @ ± 270 °/10 cm
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 2.90 ± 0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 0.90 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	max. + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 50265-2-2, VDE 0482-265-2-2, IEC 60332-2-2, CSA FT2
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibilty

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267
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
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length

70113	RKM 3-338/3 M	3 m
70115	RKM 3-338/5 M	5 m

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