



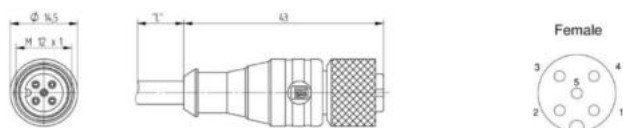
Product: [RKT 5-MF293](#) 

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, A-coded, translucent body, 50 V AC / 60 V DC, 4 A; PVC/PU black cable, 5-wires, 0.34 mm²

Product Description

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Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
Brown	White	Blue	Black	Grey

Technical Data

Product Family:	Data Connectors
Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-30 °C - +80 °C
Protection Degree / IP Rating**:	IP67
Design Standard:	IEC 61076-2-101
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
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
O-Ring Material:	FKM,Green

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
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Cable Data

Cable Number:	MF293
Conductor Size:	0.34 mm²
Number of Wires:	5
Conductor material:	Cu
Cable Jacket Material:	Special compound Polyurethane based
Cable Jacket Color:	Black
Cable Diameter D:	ø 5.7 ± 0.20 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	1.30 mm
Ambient Temperature (Fixed Installation):	-30 °C - +80 °C
Flammability Class (Cable Jacket):	IEC 60332-1/FT-2

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

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