



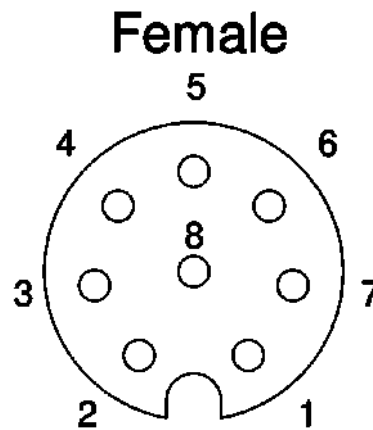
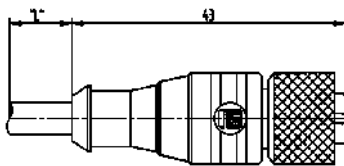
Product: [RKT 8-362](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 8-pin, A-coded, translucent body, 30 V AC/DC, 2 A; TPU grey cable, 8-wires, 0.34 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 8-pin, A-coded, translucent body, 30 V AC/DC, 2 A; TPU grey cable, 8-wires, 0.34 mm²

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
brown	white	blue	black	grey	pink	purple	orange

Technical Data

Product Family:	Sensor / Actuator 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:	8
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	30 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/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. + 50 °C
Protection Degree / IP Rating**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
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:	CuZn
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:	362
Conductor Size:	0.34 mm ²
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Conductor material:	Cu
Cable Jacket Material:	TPU
Cable Jacket Color:	grey matt similarly RAL 7040
Cable Diameter D:	ø 6.40 ± 0.2 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.30 mm
Overall Shield (Cable):	Tinned copper
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 or 21198
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; LABS-free of lacquer wetting disturbing substances; Coldness flexibility

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN VDE 0482 Teil 267, EN 50267-2-1, IEC 60754-1
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Oil Resistance:	Good chemical and oil resistance
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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.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length	Rated Current	Contact Bearer Color
106747	RKT 8-362/5 M	5 m	2 A	Orange
106748	RKT 8-362/10 M	10 m	2 A	Orange
88299	RKT 8-362/15 M	15 m	2 A	Orange
8372	RKT 8-362/25 M	25 m	2 A	Orange

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