



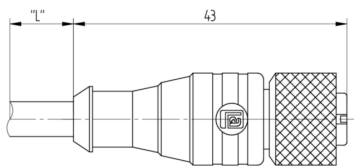
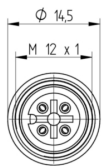
**Product:** [RKT 4-3-224](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 4-pin, A-coded, translucent body, 230 V AC/DC, 4 A; PUR black cable, 3-wires, 0.34 mm<sup>2</sup>

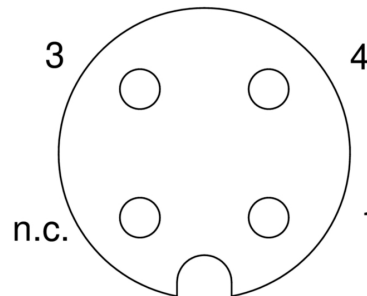
### Product Description

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### Technical Drawing



### Female



### Technical Specifications

#### Face View

Pin 1	Pin 2	Pin 3	Pin 4
brown	n.c.	blue	black

#### 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:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	250 V
Rated Voltage (UL):	250 V AC
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	4 A

Rated Current (UL)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> 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)
Overtoltage Category:	II 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:	224
Conductor Size:	0.34 mm <sup>2</sup>
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black matt similarly RAL 9005
Cable Diameter D:	ø 4.30 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.30 ± 0.10 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 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; 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 EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
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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
108363	RKT 4-3-224/0,5 M	0.5 m
2471	RKT 4-3-224/0,6 M	0.6 m
46274	RKT 4-3-224/1 M	1 m
18170	RKT 4-3-224/2 M	2 m
15736	RKT 4-3-224/3 M	3 m
52276	RKT 4-3-224/4 M	4 m
15730	RKT 4-3-224/5 M	5 m
108265	RKT 4-3-224/6 M	6 m
9463	RKT 4-3-224/8 M	8 m
15729	RKT 4-3-224/10 M	10 m
15728	RKT 4-3-224/15 M	15 m
60053	RKT 4-3-224/20 M	20 m
15737	RKT 4-3-224/25 M	25 m

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