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lumbergautomation
A BELDEN BRAND

Product: RKT 4-MF225

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 4-pin, A-coded, translucent body, 230 V AC/DC, 4 A; PU black cable, 4-wires, 0.34 mm²

Product Description

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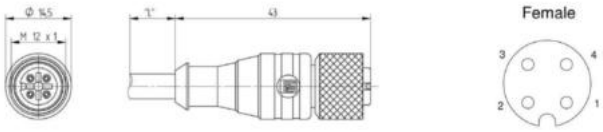
Technical Drawing



Technical Specifications

Face View

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

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:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	250 V
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/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

Cable Data

Cable Number:	MF225
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	4 x D
Minimal Bending Radius (Flexible Inst):	10 x D
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	Black
Cable Diameter D:	ø 4.7 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	1.3mm
Ambient Temperature (Fixed Installation):	-30°C to + 80°C
Flammability Class (Cable Jacket):	IEC 60332-1/FT-2

Safety & Environmental Compliance

RoHS Compliant:	Yes

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
960020101	RKT 4-MF225	1 m
960020102	RKT 4-MF225	2 m
RKT 4-MF225/0200	RKT 4-MF225	2 m
960020103	RKT 4-MF225	3 m
RKT 4-MF225/0300	RKT 4-MF225	3 m
960020104	RKT 4-MF225	4 m
960020105	RKT 4-MF225	5 m
RKT 4-MF225/0500	RKT 4-MF225	5 m
960020108	RKT 4-MF225	8 m
960020110	RKT 4-MF225	10 m
RKT 4-MF225/1000	RKT 4-MF225	10 m
960020111	RKT 4-MF225	11 m
960020115	RKT 4-MF225	15 m
960020120	RKT 4-MF225	20 m
960020125	RKT 4-MF225	25 m
960020130	RKT 4-MF225	30 m
960020140	RKT 4-MF225	40 m
960020145	RKT 4-MF225	45 m
960020150	RKT 4-MF225	50 m
960020160	RKT 4-MF225	60 m

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