



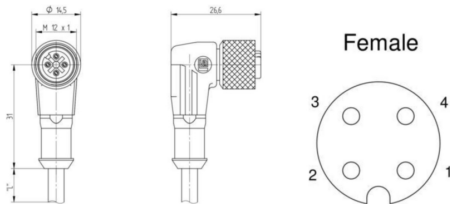
Product: [RKWT 4-MF225](#) 

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

Product Description

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

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
brown	white	blue	black

Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Female
Connector Design:	Angled
Number of Pins:	4
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Current Rating:	4 A
Contact Resistance:	≤ 10 mOhm

Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
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
Side 1 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:	MF225
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 4 x OD
Minimal Bending Radius (Flexible Inst):	> 10 x OD
Conductor Material:	Bare Copper
Cable Jacket Material:	PU
Cable Jacket Color:	Black
Cable Diameter D:	ø 4.7 mm
Wire Insulation Material:	PVC
Ambient Temperature (Fixed Installation):	-30°C to +80°C
Flammability Class (Cable Jacket):	IEC 60332-2-1/ FT2

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.
Note:	Do not connect or disconnect under load.

History

Update and Revision:	Revision Number: 0.54 Revision Date: 09-29-2025
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Variants

Item #	Item Description	Cable Length
9600202015	RKWT 4-MF225/0500	1.5 m
960020202	RKWT 4-MF225/0150	2 m
960020203	RKWT 4-MF225/0200	3 m
960020205	RKWT 4-MF225/0300	5 m

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