



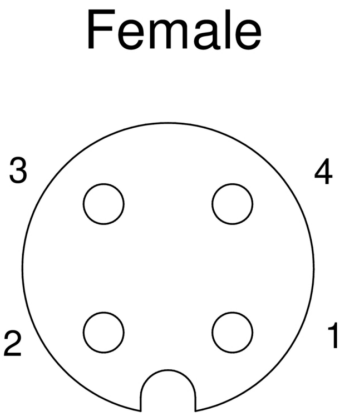
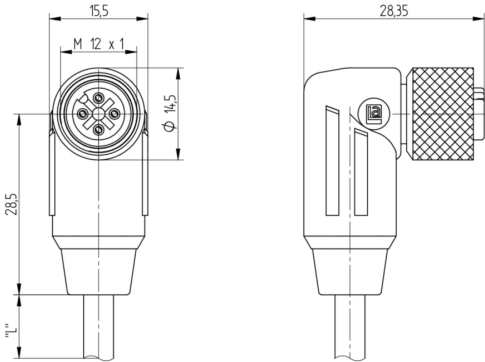
Product:
[RKWT 4-643](#)

Female 90° | #Contacts: 4 | 250 V | Cable TPE YE, 22 AWG, IEC | cURus

Product Description

M12 - Molded Cordset Female Angled | #Contacts: 4 | 250 V / 4 A | Cable TPE Yellow, 4x22 AWG, IEC | cURus 2238

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Connector Design:	Angled (90°) Body
Coding:	A
Shielding:	Unshielded
Operating Voltage:	230 V AC/DC
Mating Cycles:	≤ 100
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	Copper-Tin (CuSn)
Contact Bearer Material:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Polyurethane (PUR)
Molded Body Color:	Yellow
Flammability Class (Molded Body):	UL 94 HB

Attachment Material:	Brass (Cu/Zn)
Attachment Plating:	Nickel Plated (Ni)
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:	643
Conductor Size:	22 AWG
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 7 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 M
Cable Jacket Material:	Thermoplastic Elastomer (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 6.45 mm [0.254"]
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 1.83 mm [0.072"]
Ambient Temperature (Fixed Installation):	- 10 °C - + 105 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 105 °C
UL Cable Type:	PLTC
Flammability Class (Cable Jacket):	Jacket FT-4
Cable Characteristics:	Oil Resistant, C-Track rated

Approvals

UL-File:	E104696
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

Variants

Item #	Item Description	Cable Length
600002642	RKWT 4-643/2M	2 m
600002643	RKWT 4-643/5M	5 m
600002644	RKWT 4-643/10M	10 m
600006573	RKWT 4-643/15M	15 m
600007298	RKWT 4-643/20M	20 m

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