lumbergautomation
A BELDEN BRAND



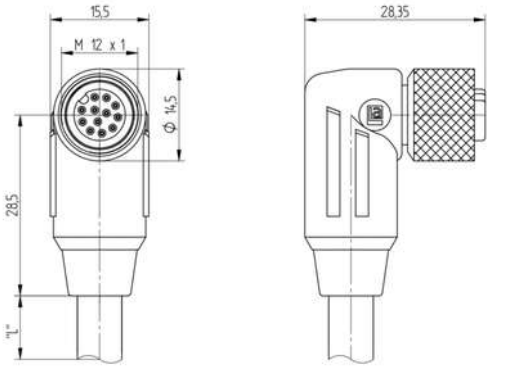
Product: RKWT 12-346

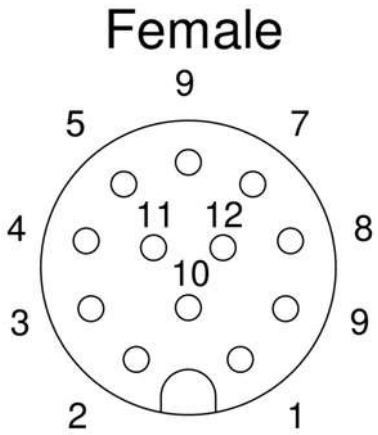
M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 12-pin, A-coded, translucent body, 30 V AC/DC, 1.5 A; PUR black cable, 12-wires, 0.25 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 12-pin, A-coded, translucent body, 30 V AC/DC, 1.5 A; PUR black cable, 12-wires, 0.25 mm²

Technical Drawing





Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
brown	blue	white	green	pink	yellow	black	grey	red	purple	grey-pink	red-blue

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:	Angled
Number of Pins:	12
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current*:	1.5 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm

Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 25 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, 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:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT
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:	346
Conductor Size:	0.25 mm²
Number of Wires:	12
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:	PUR
Cable Jacket Color:	black matt similarly RAL 9005
Cable Diameter D:	ø 6.40 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.20 ± 0.05 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 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
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

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
Oil Resistance:	Good chemical and oil resistance

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.
Product Characteristics:	Very good resistance to oils, coolants, lubricants as well as emulsions, Drag chain sustainability, Very good vibration and shock resistance

Variants

Item #	Item Description	Cable Length	Rated Current
934627001	RKWT 12-346/1 M	1 m	1.5 A
934627002	RKWT 12-346/1,5 M	1.5 m	1.5 A
934627003	RKWT 12-346/10 M	10 m	1.5 A
934627004	RKWT 12-346/15 M	15 m	1.5 A
934627005	RKWT 12-346/2 M	2 m	1.5 A
934627006	RKWT 12-346/20 M	20 m	1.5 A
934627007	RKWT 12-346/3 M	3 m	1.5 A
934627008	RKWT 12-346/30 M	30 m	1.5 A
934627009	RKWT 12-346/5 M	5 m	1.5 A
6969	RKWT 12-346/25 M	25 m	1.5 A

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