lumbergautomation
A BELDEN BRAND



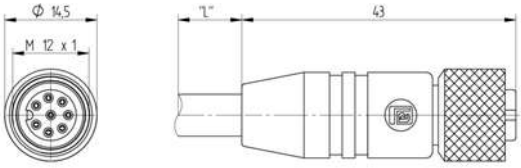
Product: RKTS 8-184

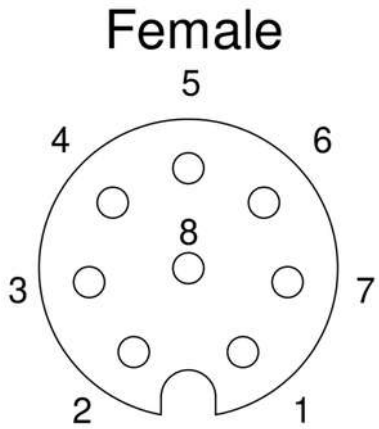
M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 8-pin, A-coded, shielded, orange body, 30 V AC/DC, 2 A; PVC orange cable, 8-wires, 0.25 mm²

Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 8-pin, A-coded, shielded, orange body, 30 V AC/DC, 2 A; PVC orange cable, 8-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
white	brown	green	yellow	grey	pink	blue	red

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:	8
Coding:	A
Shielding:	Shielded
Attachment Type:	Coupling Nut
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current:	2 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm

Mating Cycles:	≤ 100
Ambient Temperature (Operation):	- 40 °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:	TPU
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Orange
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	CuZn, tin-plated
O-Ring Material:	FKM, green

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	184
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	orange
Cable Diameter D:	ø 6.6 ± 0.20 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.30 mm
Overall Shield (Cable):	C-Shield
Ambient Temperature (Fixed Installation):	- 40 °C - + 105 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 105 °C
Flammability Class (Cable Jacket):	IEC 60332-1 , VDE 0482-265-2-1 , EN 50265-2-1
Cable Characteristics:	Mainly plasticizer diffusion free; Exclusion of silicone

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Oil Resistance:	Good chemical and oil resistance

Notes

Protection Degree / IP Rating Note:	only if mounted and locked in combination with Hirschmann / Lumberg Automation connector
Note Derating:	Notice derating
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
8853	RKTS 8-184/1 M	1 m
11423	RKTS 8-184/2 M	2 m
9187	RKTS 8-184/3 M	3 m
11424	RKTS 8-184/5 M	5 m
11422	RKTS 8-184/10 M	10 m

17998	RKTS 8-184/15 M	15 m
17567	RKTS 8-184/20 M	20 m
25581	RKTS 8-184/25 M	25 m
26166	RKTS 8-184/30 M	30 m
934636477	RKTS 8-184/40 M	40 m
934636174	RKTS 8-184/50 M	50 m

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