lumbergautomation
A BELDEN BRAND



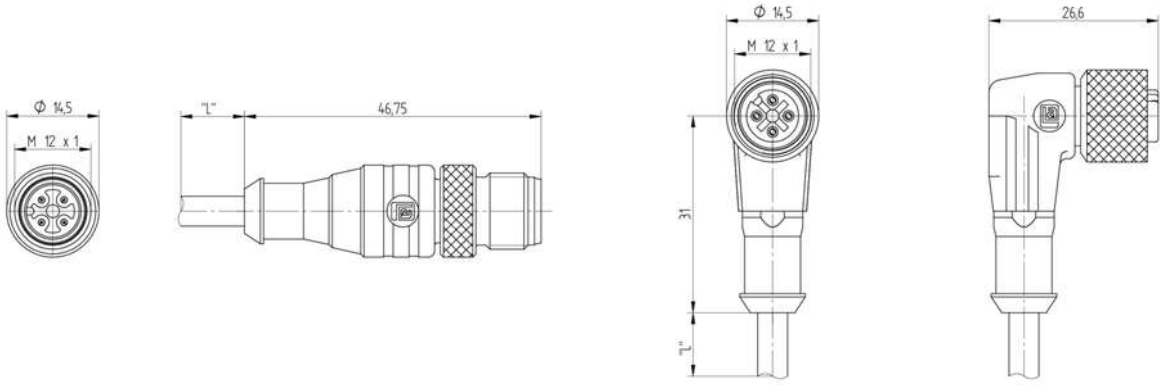
Product: RST 4-RKWT 4-225

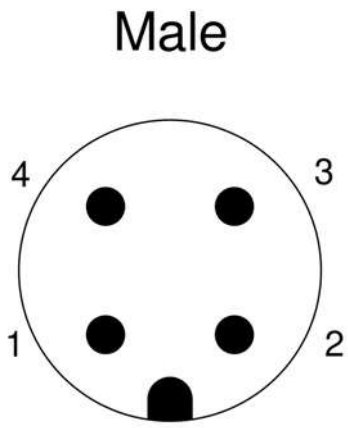
Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M12 Standard connector to female angled A-coded translucent 4-pin M12 Standard connector, 230 V AC/DC, 4 A; PUR black cable, 4-wires, 0.34 mm²

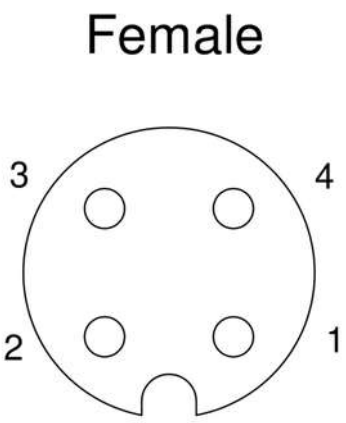
Product Description

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M12 Standard connector to female angled A-coded translucent 4-pin M12 Standard connector, 230 V AC/DC, 4 A; PUR black cable, 4-wires, 0.34 mm²

Technical Drawing







Technical Specifications

Face View Side 1

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

Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 4

brown	white	blue	black

Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	250 V
Rated Voltage (UL):	250 V AC
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	4 A
Rated Current (UL)*:	4 A

Technical Data Side 1

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding:	A
Contact Resistance:	= 10 mOhm
Insulation Resistance:	? 10^9 Ohm
Mating Cycles:	= 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)
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
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	225
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	? 5 x D
Minimal Bending Radius (Flexible Inst):	? 10 x D
Cycles (Bending):	? 5 M
Cycles (Torsion):	? 5 M @ ± 360 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black matt similarly RAL 9005
Cable Diameter D:	ø 4.70 ± 0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.30 ± 0.10 mm

Ambient Temperature (Fixed Installation):	- 50 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 90 °C (UL: + 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; Coldness flexibilty; Free of lacquer wetting disturbing substances

Technical Data Side 2

Product Sub Family, Side 2:	M12 Standard
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Angled
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	4
Coding, Side 2:	A
Contact Resistance, Side 2:	= 10 mOhm
Insulation Resistance, Side 2:	? 10^9 Ohm
Mating Cycles, Side 2:	= 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Operating Temperature (UL), Side 2:	max. + 50 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
Design Standard, Side 2:	IEC 61076-2-101
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1

Notes

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice derating

Variants

Item #	Item Description	Cable Length	Rated Current	Contact Bearer Color
1214	RST 4-RKWT 4-225/16 M	16 m	4 A	Orange
3747	RST 4-RKWT 4-225/40 M	40 m	4 A	Orange
28049	RST 4-RKWT 4-225/5 M	5 m	4 A	Orange
28050	RST 4-RKWT 4-225/10 M	10 m	4 A	Orange
38529	RST 4-RKWT 4-225/4 M	4 m	4 A	Orange

38530	RST 4-RKWT 4-225/6 M	6 m	4 A	Orange
38532	RST 4-RKWT 4-225/8 M	8 m	4 A	Orange
43772	RST 4-RKWT 4-225/0,3 M	0.3 m	4 A	Orange
43773	RST 4-RKWT 4-225/0,6 M	0.6 m	4 A	Orange
43774	RST 4-RKWT 4-225/1 M	1 m	4 A	Orange
43776	RST 4-RKWT 4-225/2 M	2 m	4 A	Orange
44203	RST 4-RKWT 4-225/3 M	3 m	4 A	Orange
44241	RST 4-RKWT 4-225/15 M	15 m	4 A	Orange
44243	RST 4-RKWT 4-225/20 M	20 m	4 A	Orange
44244	RST 4-RKWT 4-225/35 M	35 m	4 A	Orange
44245	RST 4-RKWT 4-225/37 M	37 m	4 A	Orange
45046	RST 4-RKWT 4-225/25 M	25 m	4 A	Orange
45047	RST 4-RKWT 4-225/27 M	27 m	4 A	Orange
49248	RST 4-RKWT 4-225/18 M	18 m	4 A	Orange
89505	RST 4-RKWT 4-225/21 M	21 m	4 A	Orange
93018	RST 4-RKWT 4-225/45 M	45 m	4 A	Orange
93387	RST 4-RKWT 4-225/30 M	30 m	4 A	Orange
93836	RST 4-RKWT 4-225/2,5 M	2.5 m	4 A	Orange
934636041	RST 4-RKWT 4-225/55 M	55 m	4 A	Orange
934636793	RST 4-RKWT 4-225/0,4 M	0.4 m	4 A	Orange
934637011	RST 4-RKWT 4-225/11 M	11 m	4 A	Orange
934637565	RST 4-RKWT 4-225/13 M	13 m	4 A	Orange
43775	RST 4-RKWT 4-225/1,5 M	1.5 m	4 A	Orange
2795	RST 4-RKWT 4-225/7 M	7 m	4 A	Orange

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