



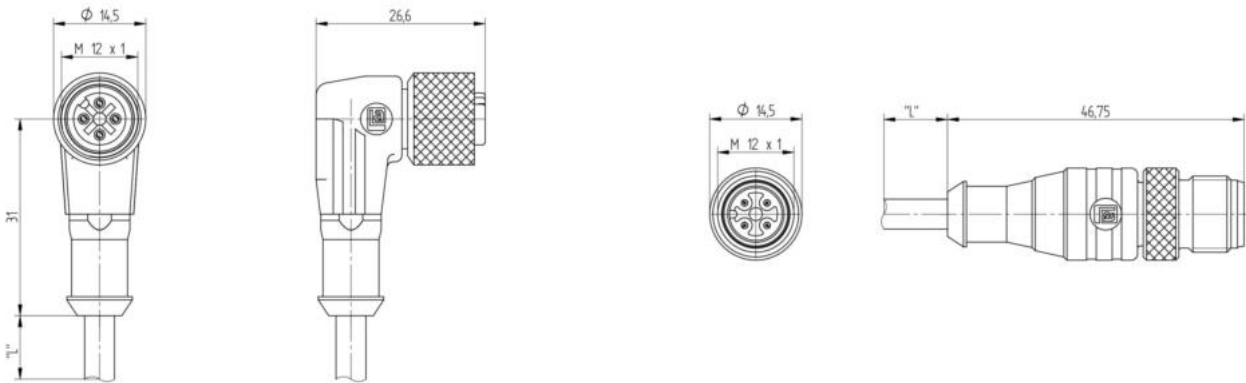
Product: [RST 4-RKWT 4-771](#)

Sensor / Actuator Connectors: Cordset, double ended, M12 Standard, Straight Male, 4-pole to a, M12 Standard, Angled Female, 4-pole; with Grey TPE-C 22 AWG cable

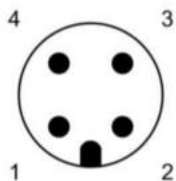
Product Description

Sensor / Actuator Connectors: Cordset, double ended, M12 Standard, Straight Male, 4-pole to a, M12 Standard, Angled Female, 4-pole, 250 V | 4 A; with Grey TPE-C 22 AWG cable

Technical Drawing



Face View
M12 Male



Color Code
1 = BN
2 = WH
3 = BU
4 = BK

Face View
M12 Female



Color Code
1 = BN
2 = WH
3 = BU
4 = BK

Technical Specifications

[Product Description](#)

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	250 V
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	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
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:	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:	Black or Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Grey Transluscent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn, Nickel-plated, External thread
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	771
Conductor Size:	22 AWG
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 8 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Conductor material:	Cu [Bare Copper]
Cable Jacket Material:	TPE-C
Cable Jacket Color:	Grey
Cable Diameter D:	Ø 4.98 mm
Wire Insulation Material:	PVC-SR
Insulated Wire Diameter:	Ø 1.19 mm
Ambient Temperature (Fixed Installation):	- 40 to 105°C
Ambient Temperature (Flex Installation):	- 15 to 90°C
Ambient Temperature (Drag Chain Inst):	- 15 to 90°C
UL Cable Type:	(UL) PLTC 105C SUN RES OR (CSA) C(UR) AWM I/II A/B 105C, 300V

Flammability Class (Cable Jacket):	FT1
Cable Characteristics:	Mechanical Properties: Excellent flexibility for C-track /drag chain, High Impact Strength, Tear & Abrasion Resistance Properties: Chemicals such as Acids, Degreaser Solvents, Alcohol and Alkalies, Petroleum Liquids such as Oil, Gas, and Grease, Weld Spark, Sunlight, and Ozone

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 Thread
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
Protection Degree / IP Rating, Side 2**:	IP65, IP67
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:	Black or Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Grey Transluscent
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn, Nickel-plated, Internal thread
O-Ring Material, Side 2:	FKM, green or black
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight
Note, Side 2:	Do not connect or disconnect under load.

Approvals

UL-File:	E315587
UL:	Yes
VDE:	Yes

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

Protection Degree / IP Rating Note:	Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product
Note Derating:	Notice derating

Variants

Item #	Item Description	Cable Length
600007157	RST 4-RKWT 4-771/0.3M	0.3 m
600007158	RST 4-RKWT 4-771/0.5M	0.5 m
600007159	RST 4-RKWT 4-771/0.6M	0.6 m
600007160	RST 4-RKWT 4-771/1.5M	1.5 m
600007161	RST 4-RKWT 4-771/10M	10 m
600007162	RST 4-RKWT 4-771/1M	1 m
600007163	RST 4-RKWT 4-771/2M	2 m
600007164	RST 4-RKWT 4-771/4M	4 m
600007165	RST 4-RKWT 4-771/5M	5 m

600007166	RST 4-RKWT 4-771/6M	6 m
600007167	RST 4-RKWT 4-771/8M	8 m
600007136	RST 4-RKWT 4-771/3M	3 m

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