

Product: [RSWT 4-691](#) 

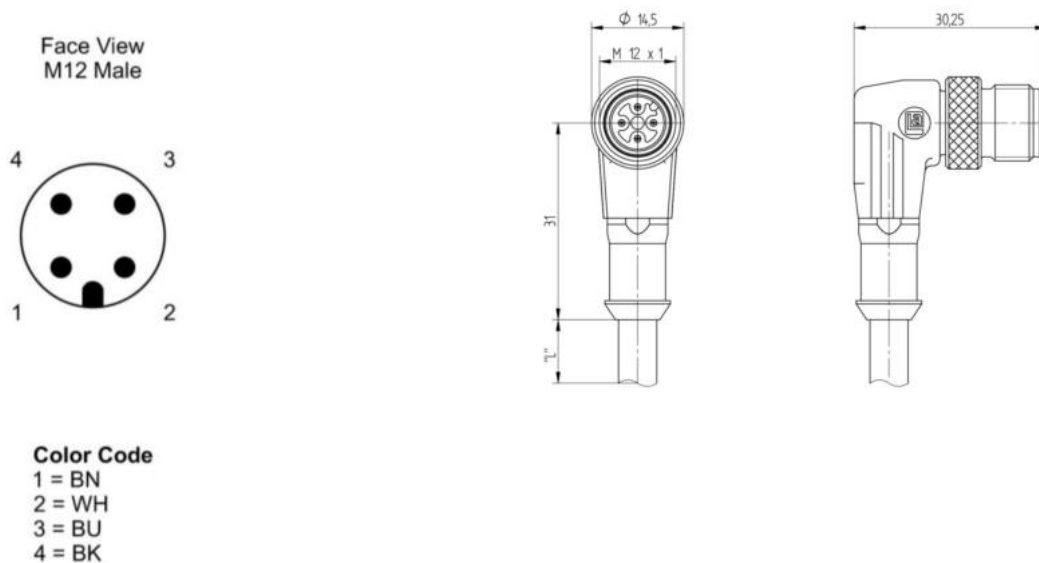


"Sensor / Actuator Connector: M12 Standard, Cordset, single ended, Angled Male, 4-pole; with Blue PVC 22 AWG cable"

Product Description

"Sensor / Actuator Connector: M12 Standard, Cordset, single ended, Angled Male, 4-pole, 250 V | 4 A; with Blue PVC 4x22 AWG cable"

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connector
Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Angled
Number of Pins:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	250 V
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/DC
Rated Current*:	4 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)

Materials

Contact Base Material:	CuSn
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:	Yellow
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn, Nickel-plated, External thread

Additional Technical Data

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

Cable Number:	691
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
Conductor material:	Cu [Tinned Copper]
Cable Jacket Material:	PVC
Cable Jacket Color:	Blue
Cable Diameter D:	Ø 5.30 mm
Wire Insulation Material:	PVC-SR
Insulated Wire Diameter:	Ø 1.32 mm
Ambient Temperature (Fixed Installation):	- 30 to 105°C
Ambient Temperature (Flex Installation):	- 10 to 105°C
Ambient Temperature (Drag Chain Inst):	- 10 to 105°C
UL Cable Type:	AWM 2661, PLTC
Cable Characteristics:	Mechanical Resistances, Abrasion, Impact, Weathering; Chemical Resistances to Oils, Acids, Alkalis

Approvals

UL-File:	E315587
UL:	Yes
VDE:	Yes

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

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

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.