



Product: [RSC 8/9](#)

M12 Field Attachable Connector: male, straight, 8-pin, A-coded, unshielded, black housing, screw type, 30 V AC/DC

Product Description

M12 Field Attachable Connector: male, straight, 8-pin, A-coded, unshielded, black housing, screw type, 30 V AC/DC

Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors
Product Sub Family:	M12 Standard
Brand:	Belden
Connector Type:	Field attachable
Type of Contact / Gender:	male
Connector Design:	straight
Number of Pins:	8
Coding:	A
Attachment Type:	Coupling Screw
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
Type of Connection:	screw terminal
Maximum Wire Cross Section:	max. 0,50 mm ²
Cable Gland:	PG9
Strain-Relief:	clamping cage
Suitable Cables:	Ø6 - Ø8 mm
Ambient Temperature (Operation)*:	-25°C to +90°C
Operating Temperature (UL):	max. 65 °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)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); 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:	PA-GF
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	?
Housing Material:	PBT

Housing Color:	black
Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	?
Cable Gland Gasket:	NBR, black
Attachment Material:	GD-Zn
Attachment Plating:	nickel-plated
O-Ring Material:	FKM/FPM Viton

Additional Technical Data

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

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

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

Variants

Item #	Item Description
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