





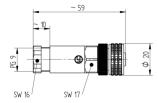
M12 Field Attachable Connector: female, straight, 4-pin, A-coded, unshielded, black housing, screw type, 230 V AC/DC

Product Description

M12 Field Attachable Connector: female, straight, 4-pin, A-coded, unshielded, black housing, screw type, 230 V AC/DC

Technical Drawing





Technical Specifications

Technical Data

Product Family:	Sensor / Actuator Connectors	
Product Sub Family:	M12 Standard	
Brand:	Belden	
Connector Type:	Field attachable	
Type of Contact / Gender:	female	
Connector Design:	straight	
Number of Pins:	4	
Coding:	A	
Attachment Type:	Coupling Nut	
Rated Voltage:	250 V	
Rated Voltage (CSA):	250 V AC/DC	
Rated Impulse Voltage:	2.5 kV	
Operating Voltage:	230 V AC/DC	
Rated Current*:	4 A	
Rated Current (CSA)*:	4 A	
Contact Resistance:	≤ 10 mOhm	
Insulation Resistance:	> 10^9 Ohm	
Mating Cycles:	≤ 20	
Type of Connection:	screw terminal	
Maximum Wire Cross Section:	max. 0,75 mm²	

Cable Gland:	PG9
Strain-Relief:	clamping cage
Suitable Cables:	Ø6 - Ø8 mm
Ambient Temperature (Operation)*:	-25°C to +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)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Sn
Contact Bearer Material:	PA
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94 V-2
Housing Material:	PA-GF
Housing Color:	black
Flammability Class (Housing):	UL 94 V-0
Cable Gland Material:	PA-GF
Cable Gland Gasket:	CR, black
Attachment Material:	GD-Zn
Attachment Plating:	nickel-plated
O-Ring Material:	FKM/NBR

Additional Technical Data

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

Safety & Environmental Compliance

RoHS Compliant:	yes			1
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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
933169100	ELKA 4012 PG9

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