Product: RSCI 5A

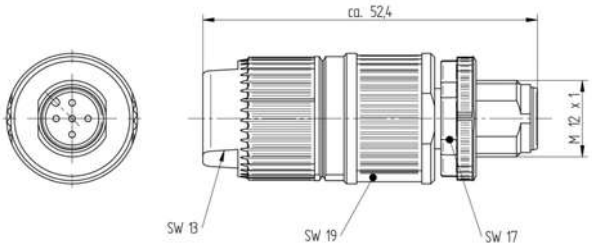


M12 Field Attachable Connector, IDC termination, metal housing, IP67, male, 5-pole, A-coded, unshielded, straight

Product Description

M12 Field Attachable Connector for decentralized field assembly, insulation displacement contact termination method (IDC), male, 5-pole, A-coded, zinc diecast metal housing with polyamid compoinent, for harsh environment, IP65/IP67, unshielded, straight, 0,34…0,5mm², AWG 20...AWG22, rated voltage 50V, rated current 4A

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:	male
Connector Design:	straight
Number of Pins:	4
Coding:	A
Attachment Type:	Coupling Nut
Rated Impulse Voltage:	1,5 kV
Operating Voltage:	50 V AC/DC
Rated Current*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Type of Connection:	insulation displacement contact (IDC)
Maximum Wire Cross Section:	0,25mm²...0,5 mm²
Strain-Relief:	clamping cage
Suitable Cables:	Ø6...Ø8 mm

Ambient Temperature (Operation)*:	-40°C to +85°C
Operating Temperature (UL):	max. 85 °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:	III

Materials

Contact Base Material:	CuZn
Contact Plating:	AuNi
Contact Bearer Material:	PBT
Contact Bearer Color:	black
Housing Material:	zinc diecast with polyamid component
Housing Color:	grey metallic
Attachment Material:	CuZn
Attachment Plating:	nickel-plated

Additional Technical Data

Fastening Torque (Attachment):	50-60 Ncm

Approvals

UL-File:	E95522
UL:	cURus

Safety & Environmental Compliance

RoHS Compliant:	yes, compliant with exception. 6c.:Copper alloy with a mass fraction of up to 4% lead

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
935070103	RKCI 5A

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