

**Product:** [RKCI 5A](#) 

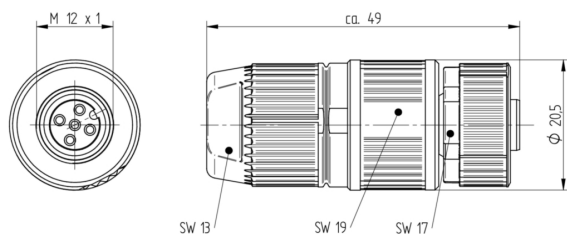


M12 Field Attachable Connector, IDC termination, metal housing, IP67, female, 5-pole, A-coded, unshielded, straight

## Product Description

M12 Field Attachable Connector for decentralized field assembly, insulation displacement contact termination method (IDC), female, 5-pole, A-coded, zinc diecast metal housing with polyamid compoinent, for harsh environment, IP65/IP67, unshielded, straight, 0,34...0,5mm<sup>2</sup>, AWG 20...AWG22, rated voltage 50V, rated current 4A

## Technical Drawing



## Technical Specifications

### Technical Data

Product Family:	Sensor / Actuator Connectors
Side 1 Product Sub Family:	M12 Standard
Brand:	Belden
Connector Type:	Field attachable
Side 1 Type of Contact/Gender:	female
Connector Design:	straight
Number of Pins:	5
Coding, Side 1:	A
Attachment Type:	Coupling Nut
Rated Impulse Voltage:	1,5 kV
Operating Voltage:	50 V AC/DC
Current Rating:	4 A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Type of Connection:	insulation displacement contact (IDC)
Maximum Wire Cross Section:	0,25mm <sup>2</sup> ...0,5 mm <sup>2</sup>
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
Side 1 Design Standard:	IEC 61076-2-101
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III

## Materials

Contact Base Material:	CuZn
Side 1 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
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## 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
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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
935070103	RKCI 5A

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