Product: RKCN 5/9



M12 Field Attachable Connector: female, straight, 5-pin, A-coded, unshielded, black housing, screw type, 50 V AC / 60 V DC

Product Description

M12 Field Attachable Connector: male, straight, 5-pin, A-coded, unshielded, black housing, screw type, 50 V AC / 60 V 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:	female
Connector Design:	straight
Number of Pins:	5
Coding:	A
Attachment Type:	Coupling Nut
Rated Voltage:	60 V
Rated Voltage (UL):	30 V AC/DC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Rated Current (UL)*:	4 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 50
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 +85°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:	CuSnZn
Contact Bearer Material:	PA
Contact Bearer Color:	black

Flammability Class (Contact Bearer):	UL 94 V-2
Housing Material:	PBT
Housing Color:	black
Flammability Class (Housing):	UL 94 HB
Cable Gland Material:	PBT
Cable Gland Gasket:	NBR, black
Attachment Material:	stainless steel
O-Ring Material:	FKM/NBR

Additional Technical Data

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

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

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
46594	RKCN 5/9

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