Product: RKCW 4/3/7



M12 Field Attachable Connector: female, angled, 3-pin, A-coded, unshielded, black housing, screw type, 230 V AC/DC

Product Description

M12 Field Attachable Connector: female, angled, 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:	angled
Number of Pins:	3
Coding:	A
Attachment Type:	Coupling Nut
Rated Voltage:	250 V
Rated Voltage (UL):	250 V AC/DC
Rated Impulse Voltage:	2.5 kV
Operating Voltage:	230 V AC/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:	PG7
Strain-Relief:	clamping cage
Suitable Cables:	Ø4 - Ø6 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:	II 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:	CuZn
Attachment Plating:	nickel-plated
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
11256	RKCW 4/3/7

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.