

Product: RKCWN 5/9 ☑



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

# **Product Description**

M12 Field Attachable Connector: female, straight, 4-pin, A-coded, unshielded, black housing, screw type, 10 - 30 V

# **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:                 | angled                                  |
| Number of Pins:                   | 5                                       |
| Coding, Side 1:                   | A                                       |
| Attachment Type:                  | Coupling Nut                            |
| Voltage Rating:                   | 60 V                                    |
| Rated Voltage (UL):               | 30 V AC/DC                              |
| Rated Impulse Voltage:            | 1.5 kV                                  |
| Operating Voltage:                | 50 V AC / 60 V DC                       |
| Current Rating:                   | 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   |
|--------------------------|--------|
| Side 1 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 |
|--------|------------------|
| 47735  | RKCWN 5/9        |

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