



**Product:** [RKC� 8/9](#)

M12 Field Attachable Connector: female, straight, 8-pin, A-coded, unshielded, black housing, screw type, 30 V AC/DC

## Product Description

M12 Field Attachable Connector: female, straight, 8-pin, A-coded, unshielded, black housing, screw type, 30 V AC/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:                   | 8                                       |
| Coding:                           | A                                       |
| Attachment Type:                  | Coupling Nut                            |
| Rated Voltage:                    | 30 V                                    |
| Rated Impulse Voltage:            | 0.8 kV                                  |
| Operating Voltage:                | 30 V AC/DC                              |
| Rated Current*:                   | 2 A                                     |
| Contact Resistance:               | ≤ 10 mOhm                               |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                   |
| Mating Cycles:                    | ≤ 100                                   |
| Type of Connection:               | screw terminal                          |
| Maximum Wire Cross Section:       | max. 0,50 mm <sup>2</sup>               |
| Cable Gland:                      | PG9                                     |
| Strain-Relief:                    | clamping cage                           |
| Suitable Cables:                  | Ø6 - Ø8 mm                              |
| Ambient Temperature (Operation)*: | -25°C to +90°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:                     | Cu/Au |
| Contact Bearer Material:             | PA-GF |
| Contact Bearer Color:                | black |
| Flammability Class (Contact Bearer): | ?     |
| Housing Material:                    | PBT   |

|                               |                 |
|-------------------------------|-----------------|
| Housing Color:                | black           |
| Flammability Class (Housing): | UL 94 HB        |
| Cable Gland Material:         | ?               |
| Cable Gland Gasket:           | NBR, black      |
| Attachment Material:          | stainless steel |
| O-Ring Material:              | FKM/FPM Viton   |

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 |
|--------|------------------|
| 51351  | RKCN 8/9         |

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