HIRSCHMANN
A BELDEN BRAND

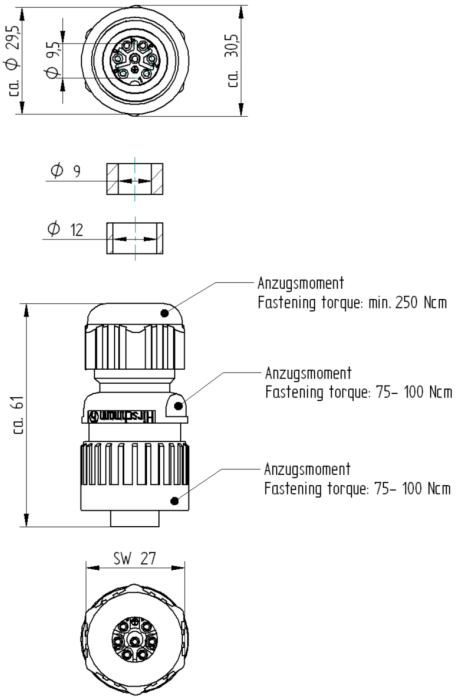
# Product: CA 6 LD

Circular Field Attachable Power Connector (CA Series): Female, straight, 7-pin(6+PE), integrated strain relief, 230 V AC/DC, 10 A

## Product Description

Circular Field Attachable Power Connector (CA Series): Female, straight, 7-pin(6+PE), integrated strain relief, 230 V AC/DC, 10 A

## Technical Drawing




## Technical Specifications

### Technical Data

| | |
|---|---|
| Product Family: | Power Connector |
| Product Sub Family: | CA-Series |
| Brand: | Hirschmann |
| Connector Type: | Field Attachable |
| Type of Contact / Gender: | female |
| Connector Design: | straight |
| Number of Pins: | 7(6+PE) |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 250V AC/DC |
| Rated Impulse Voltage: | 4.0 kV |
| Operating Voltage: | 230 V AC/DC |

| | |
|---|---|
| Rated Current*: | 10 A (0.75 mm²) |
| Contact Resistance: | ≤ 10 mOhm |
| Type of Connection: | solder |
| Cable Gland: | TR22 |
| Conductor Cross Section: | max. 0.75 mm² |
| Strain-Relief: | clamping cage |
| Suitable Cables: | Ø6 mm to Ø12 mm, Gasket Ø9 mm for cables with Ø6 - 9 mm, Gasket Ø12 mm for cables with Ø9 - 12 mm |
| Ambient Temperature (Operation)*: | -40°C to +90°C, notice derating |
| Temperature Range (Gasket): | -40°C to +90°C |
| Protection Degree / IP Rating**: | IP66, IP67 |
| Design Standard: | DIN EN 61984 (VDE 0627) |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |

## Materials

| | |
|---|---|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Ag |
| Contact Bearer Material: | PA 66 GF |
| Contact Bearer Color: | black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Attachment Material: | PA 66 GF |
| Flammability Class (Attachment): | UL 94 V-0 |
| Gasket Material: | NBR |

## Additional Technical Data

| | |
|---|---|
| Fastening Torque (Cable Gland): | TR22: min. 250 Ncm |
| Mating Connectors / Fitting to: | 934-126-100 CA 6 LS (field attachable, straight), 934-130-100 CA 6 W LS (field attachable, angled), 932-326-100 CA 6 GS (receptacle, straight) |
| Accessories to Order Separately: | CA00 SD 3: 831-532-400, cap |

## Approvals

| | |
|---|---|
| UL-File: | E95522, Series CA 3 |
| VDE: | VDE-Reg.-Nr. 2745 |

## Notes

| | |
|---|---|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

**Variants**

| Item # | Item Description | Housing Color | Housing Material | Cable Gland Material |
|---|---|---|---|---|
| 934127100 | CA 6 LD | black | PA 66 | PA 66 |
| 934127102 | CA 6 LD blau / blue | blue | PA 6 | PA 6 |
| 934127101 | CA 6 LD rot / red | red | PA 6 | PA 6 |
| 934127107 | CA 6 LD weiss / white | white | PA 6 | PA 6 |

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