

**Product:** [CA 3 LS](#) 

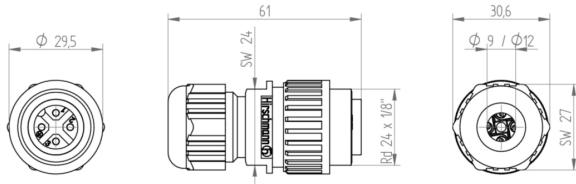


Circular Field Attachable Power Connector (CA Series): Male, straight, 4-pin(3+PE), integrated strain relief, 400 V AC/230 V DC, 16 A AC/10 A DC

**Product Description**

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**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:         | male                                                                                              |
| Connector Design:                 | straight                                                                                          |
| Number of Pins:                   | 4(3+PE)                                                                                           |
| Shielding:                        | Unshielded                                                                                        |
| Attachment Type:                  | Coupling Screw                                                                                    |
| Rated Voltage:                    | 250 V DC, 400V AC                                                                                 |
| Rated Impulse Voltage:            | 6.0 kV                                                                                            |
| Operating Voltage:                | 230 V DC, 400V AC                                                                                 |
| Rated Current*:                   | 10 A DC, 16 A AC (1.5 mm <sup>2</sup> )                                                           |
| Contact Resistance:               | ≤ 10 mOhm                                                                                         |
| Type of Connection:               | screw terminal                                                                                    |
| Cable Gland:                      | TR22                                                                                              |
| Conductor Cross Section:          | 0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>                                                        |
| 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 (Contact Screw): | M3: (25-30) Ncm                                                                                                                                |
| Fastening Torque (Cable Gland):   | TR22: min. 250 Ncm                                                                                                                             |
| Mating Connectors / Fitting to:   | 934-125-100 CA 3 LD (field attachable, straight), 934-129-100 CA 3 W LD (field attachable, angled), 932-321-100 CA 3 GD (receptacle, straight) |
| Accessories to Order Separately:  | 831-530-400: CA00 SD 1, 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 |
|-----------|----------------------|---------------|------------------|----------------------|
| 934124100 | CA 3 LS              | black         | PA 66            | PA 66                |
| 934124102 | CA 3 LS blau/blue    | blue          | PA 6             | PA 6                 |
| 934124101 | CA 3 LS rot / red    | red           | PA 6             | PA 6                 |
| 934124107 | CA 3 LS weiß / white | white         | PA 6             | PA 6                 |

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