



Datasheet for part number CA3102E22-21PB109

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| Our Catalog Part Number: CA3102E22-21P-B-109   |
| Our Global Manufacturing Part Number: 121575-3791                                    |
| Brand: Cannon Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET |

|   |   |
|---|---|
| Product Datasheet                                     |   |
| Bayonet   | Connector with bayonet coupling   |
| Shell Style   | Box mounting receptacle (rear mount, threaded holes in flange)  |
| Gender  | Pin   |
| Shell Size  | 22  |
| Contact Arrangement                                   | 22-21   |
| Number of contacts                                    | 1 contact size 0, 2 contact size 16   |
| Contact Type  | AWG Crimp   |
| Contact Plating                                       | Hard silver   |
| Shielding   | no  |
| Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) | 22 A  |
| Contact Rating at +20 °C (68 °F) (Size 500/0)         | 245 A   |
| Contact Resistance (Size 15/15S/16/16S)               | 6 mΩ  |
| Contact Resistance (Size 500/0)                       | 0,2 mΩ  |
| Wire Cross Section                                    | AWG 0 (Size 0), AWG 18/16 (Size 16)   |
| Operating Voltage                                     | In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41.  |
| Insulator Resistance                                  | Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ |
| Test Voltage  | 2000 Vrms   |
| Air and Creepage Paths (Min)                          | 1,1 mm  |
| Ambient Temperature                                   | Standard insulator material -55°/+125°C (-67/257°F)   |
| Safety Provisions                                     | IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)   |
| Salt Spray Resistance                                 | 500 hours salt spray resistant  |
| Mating Cycles   | 500 min   |
| Sep. Force per Contact (Size 15/15S/16/16S)           | 1,0 N   |
| Sep. Force per Contact (Size 500/0)                   | 8,5 N   |
| Gauge   | For infos on Gauge please see catalog VG95234, part 1   |
| Coupling Torque                                       | Closing: 11 Nm max / Opening: 0,8 Nm min  |
| Contact Retention (Size 15/15S/16/16S)                | 35 N  |
| Contact Retention (Size 500/0)                        | 95 N  |
| Shell Material  | Aluminium alloy   |
| Shell Plating   | Olive drab chromate over cadmium plating (conductive)   |
| Insulator and Grommet Material                        | CR-Elastomere   |
| Contact Material                                      | Copper alloy  |
| Harnessing Info: Contact Cross-Section                | <a href="#">See assembly instruction</a>  |

Specifications and dimensions subject to change.



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|-------------------------------------|---|
| Product Datasheet                   |   |
| Harnessing Info: Insulator Diameter | <a href="#">See assembly instruction</a>                                      |
| Wire Stripping (Size 15/15S/16/16S) | 6,2 mm  |
| Wire Stripping (Size 500/0)         | 13,7 mm   |
| General Info                        | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i> |