



## Datasheet for part number CA3100R36-3PBF80

|   |  |
|---|--|
| Our Catalog Part Number: CA3100R36-3P-B-F80 |  |
| Brand: Cannon                               | Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET |

| Product Datasheet                                |   |
|--|---|
| Bayonet  | Connector with bayonet coupling   |
| Shell Style                                      | Wall mounting receptacle  |
| Endbell Style                                    | Shortened light-weight endbell without cable clamp  |
| Gender   | Pin   |
| Shell Size                                       | 36  |
| Contact Arrangement                              | 36-3  |
| Number of contacts                               | 3 contacts size 0, 3 contacts size 12   |
| Contact Type                                     | AWG Crimp   |
| Contact Plating                                  | Hard silver   |
| Shielding  | no  |
| Contact Rating at +20 °C (68 °F)<br>(Size 25/12) | 41 A  |
| Contact Rating at +20 °C (68 °F)<br>(Size 500/0) | 245 A   |
| Contact Resistance (Size 25/12)                  | 3 mΩ  |
| Contact Resistance (Size 500/0)                  | 0,2 mΩ  |
| Wire Cross Section                               | AWG 0 (Size 0), AWG 14/12 (Size 12)   |
| 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                                     | 2500 Vrms   |
| Air and Creepage Paths (Min)                     | 2,8 mm  |
| Ambient Temperature                              | Standard insulator material -55°/+125°C (-67/257°F)   |
| Safety Provisions                                | IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  |
| Salt Spray Resistance                            | 500 hours salt spray resistant  |
| Mating Cycles                                    | 500 min   |
| Sep. Force per Contact (Size 25/12)              | 1,5 N   |
| Sep. Force per Contact (Size 500/0)              | 8,5 N   |
| Gage   | For infos on Gage please see catalog VG95234, part 1  |
| Coupling Torque                                  | Closing: 23 Nm max / Opening: 1,03 Nm min   |
| Contact Retention (Size 25/12)                   | 55 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>  |
| Harnessing Info: Insulator Diameter              | <a href="#">See assembly instruction</a>  |
| Wire Stripping (Size 25/12)                      | 6,2 mm  |
| Wire Stripping (Size 500/0)                      | 13,7 mm   |

Specifications and dimensions subject to change.



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|-------------------|---|
| Product Datasheet |   |
| General Info      | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i> |