



Datasheet for part number CA3100E16-12PBF80

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| Our Catalog Part Number: CA3100E16-12P-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                                    | Endbell with clamp and bushing                                                                                        |
| Gender                                           | Pin                                                                                                                   |
| Shell Size                                       | 16                                                                                                                    |
| Contact Arrangement                              | 16-12                                                                                                                 |
| Number of contacts                               | 1 contacts size 4                                                                                                     |
| Contact Type                                     | AWG Crimp                                                                                                             |
| Contact Plating                                  | Hard silver                                                                                                           |
| Shielding                                        | no                                                                                                                    |
| Contact Rating at +20 °C (68 °F)<br>(Size 160/4) | 135 A                                                                                                                 |
| Contact Resistance (Size 160/4)                  | 0,5 mΩ                                                                                                                |
| Wire Cross Section                               | AWG 4                                                                                                                 |
| 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 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 160/4)              | 4,0 N                                                                                                                 |
| Gage                                             | For infos on Gage please see catalog VG95234, part 1                                                                  |
| Coupling Torque                                  | Closing: 5,5 Nm max / Opening: 0,46 Nm min                                                                            |
| Contact Retention (Size 160/4)                   | 90 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 160/4)                      | 11,8 mm                                                                                                               |
| General Info                                     | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>                                         |