



Datasheet for part number CA3102E24-19PBF80-05

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| Our Catalog Part Number: CA3102E24-19P-B-F80-05                                      |
| 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, through holes in flange)   |
| Gender  | Pin   |
| Shell Size                                    | 24  |
| Contact Arrangement                           | 24-19   |
| Number of contacts                            | 12 contacts size 16   |
| Contact Type                                  | AWG Crimp   |
| Contact Plating                               | Hard silver   |
| Shielding                                     | no  |
| Contact Rating at +20 °C (68 °F) (Size 25/12) | 41 A  |
| Contact Resistance (Size 25/12)               | 3 mΩ  |
| Wire Cross Section                            | AWG 18/16   |
| 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 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   |
| Gage  | For infos on Gage please see catalog VG95234, part 1  |
| Coupling Torque                               | Closing: 14 Nm max / Opening: 0,8 Nm min  |
| Contact Retention (Size 25/12)                | 55 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  |
| General Info                                  | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>   |