



## Datasheet for part number CA3102E32-6PBF80-05

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|--------------------------------------------------------------------------------------|
| Our Catalog Part Number: CA3102E32-6P-B-F80-05                                       |
| Our Global Manufacturing Part Number: 121096-0070                                    |
| 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                                            | 32                                                                                                                    |
| Contact Arrangement                                   | 32-6                                                                                                                  |
| Number of contacts                                    | 2 contacts size 4, 3 contacts size 8, 2 contacts size 12, 16 contacts 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 25/12)         | 41 A                                                                                                                  |
| Contact Rating at +20 °C (68 °F) (Size 60/100/8)      | 74 A                                                                                                                  |
| Contact Rating at +20 °C (68 °F) (Size 160/4)         | 135 A                                                                                                                 |
| Contact Resistance (Size 15/15S/16/16S)               | 6 mΩ                                                                                                                  |
| Contact Resistance (Size 25/12)                       | 3 mΩ                                                                                                                  |
| Contact Resistance (Size 60/100/8)                    | 1 mΩ                                                                                                                  |
| Contact Resistance (Size 160/4)                       | 0,5 mΩ                                                                                                                |
| Wire Cross Section                                    | AWG 4 (Size 4), AWG 8 (Size 8), AWG 14/12 (Size 12), 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 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 15/15S/16/16S)           | 1,0 N                                                                                                                 |
| Sep. Force per Contact (Size 25/12)                   | 1,5 N                                                                                                                 |
| Sep. Force per Contact (Size 60/100/8)                | 3,0 N                                                                                                                 |
| Sep. Force per Contact (Size 160/4)                   | 4,0 N                                                                                                                 |
| Gage                                                  | For infos on Gage please see catalog VG95234, part 1                                                                  |
| Coupling Torque                                       | Closing: 19 Nm max / Opening: 1,03 Nm min                                                                             |

Specifications and dimensions subject to change.



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| Product Datasheet                      |                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------|
| Contact Retention (Size 15/15S/16/16S) | 35 N                                                                          |
| Contact Retention (Size 25/12)         | 55 N                                                                          |
| Contact Retention (Size 60/100/8)      | 80 N                                                                          |
| 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 15/15S/16/16S)    | 6,2 mm                                                                        |
| Wire Stripping (Size 25/12)            | 6,2 mm                                                                        |
| Wire Stripping (Size 60/100/8)         | 11,8 mm                                                                       |
| Wire Stripping (Size 160/4)            | 11,8 mm                                                                       |
| General Info                           | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i> |