



## Datasheet for part number CA3106E32-6P15

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|---|
| Our Catalog Part Number: CA3106E32-6P-15  |
| Brand: Cannon Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015 |

| Product Datasheet  |   |
|--|---|
| Thread   | Connector with threaded coupling  |
| Shell Style  | Plug, straight  |
| Endbell Style  | Endbell with clamp and bushing  |
| 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  | yes   |
| Contact Rating at +20 °C (68 °F)<br>(Size 15/15S/16/16S) | 22 A  |
| Contact Rating at +20 °C (68 °F)<br>(Size 25/12)         | 41 A  |
| Contact Rating at +20 °C (68 °F)<br>(Size 60/100/8)      | 74 A  |
| Contact Rating at +20 °C (68 °F)<br>(Size 160/4)         | 135 A   |
| Contact Resistance<br>(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  |
| 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   | 1600 Vrms   |
| Air and Creepage Paths (Min)                             | 1,1 mm  |
| Ambient Temperature                                      | Standard insulator material -55°/+125°C (-67/257°F)   |
| Safety Provisions  | IP65 acc. to DIN 40 050   |
| Salt Spray Resistance                                    | 500 hours salt spray resistant  |
| Mating Cycles  | 500 min   |
| Sep. Force per Contact<br>(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   |
| Contact Retention<br>(Size 15/15S/16/16S)                | 35 N  |
| Contact Retention (Size 25/12)                           | 55 N  |
| Contact Retention (Size 60/100/8)                        | 80 N  |

Specifications and dimensions subject to change.



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| Product Datasheet                      |   |
|--|---|
| Contact Retention (Size 160/4)         | 90 N  |
| Shell Material                         | Aluminium alloy   |
| Shell Plating                          | Olive drab chromate coating over cadmium plating                              |
| Insulator and Gromet Material          | Neoprene  |
| 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> |