



Datasheet for part number CA3106E36-7SBF80A176

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| Our Catalog Part Number: CA3106E36-7S-B-F80-A176                                     |
| Brand: Cannon Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET |

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|--|---|
| Product Datasheet  |   |
| Bayonet  | Connector with bayonet coupling   |
| Shell Style  | Plug, straight  |
| Endbell Style  | Endbell with clamp and bushing  |
| Gender   | Socket  |
| Shell Size   | 36  |
| Contact Arrangement                                      | 36-7  |
| Number of contacts                                       | 7 contacts size 12, 40 contacts size 16   |
| Contact Type   | AWG Crimp   |
| Contact Plating  | Gold 0,5 $\mu$  |
| Shielding  | no  |
| 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 Resistance<br>(Size 15/15S/16/16S)               | 6 m $\Omega$  |
| Contact Resistance (Size 25/12)                          | 3 m $\Omega$  |
| Wire Cross Section                                       | 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 M $\Omega$ |
| 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 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)   |
| 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   |
| Gauge  | For infos on Gauge please see catalog VG95234, part 1   |
| Coupling Torque  | Closing: 23 Nm max / Opening: 1,03 Nm min   |
| Contact Retention<br>(Size 15/15S/16/16S)                | 35 N  |
| 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>  |

Specifications and dimensions subject to change.



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|                                     |   |
|-------------------------------------|---|
| Product Datasheet                   |   |
| Wire Stripping (Size 15/15S/16/16S) | 6,2 mm  |
| Wire Stripping (Size 25/12)         | 6,2 mm  |
| General Info                        | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i> |