



Datasheet for part number CA3106E20-15SB02A176

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| Our Catalog Part Number: CA3106E20-15S-B-02-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 for heatshrinkable boots  |
| Gender   | Socket  |
| Shell Size                                       | 20  |
| Contact Arrangement                              | 20-15   |
| Number of contacts                               | 7 contacts size 12  |
| Contact Type                                     | AWG Crimp   |
| Contact Plating                                  | Gold 0,5 $\mu$  |
| Shielding  | no  |
| Contact Rating at +20 °C (68 °F)<br>(Size 25/12) | 41 A  |
| Contact Resistance (Size 25/12)                  | 3 m $\Omega$  |
| Wire Cross Section                               | AWG 14/12   |
| 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 (Size 25/12)              | 1,5 N   |
| Gauge  | For infos on Gauge please see catalog VG95234, part 1   |
| Coupling Torque                                  | Closing: 9 Nm max / Opening: 0,7 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>   |