



Datasheet for part number CA3102E18-5SBF80

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| Our Catalog Part Number: CA3102E18-5S-B-F80  |
| Our Global Manufacturing Part Number: 121091-0027                                    |
| 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  | Box mounting receptacle   |
| Gender   | Socket  |
| Shell Size   | 18  |
| Contact Arrangement                                      | 18-5  |
| Number of contacts                                       | 2 contacts size 12, 1 contact size 16   |
| Contact Type   | AWG Crimp   |
| Contact Plating  | Hard silver   |
| 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 mΩ  |
| Contact Resistance (Size 25/12)                          | 3 mΩ  |
| 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 MΩ |
| Test Voltage   | 2500 Vrms   |
| Air and Creepage Paths (Min)                             | 2,8 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<br>(Size 15/15S/16/16S)           | 1,0 N   |
| Sep. Force per Contact (Size 25/12)                      | 1,5 N   |
| Gage   | For infos on Gage please see catalog VG95234, part 1  |
| Coupling Torque  | Closing: 8 Nm max / Opening: 0,58 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<br>(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> |