



Datasheet for part number CA3100R18-22PWBF80-05

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| Our Catalog Part Number: CA3100R18-22PWB-F80-05                                      |
| 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)   |
| Endbell Style   | Shortened light-weight endbell without cable clamp  |
| Gender  | Pin   |
| Shell Size  | 18  |
| Contact Arrangement                                   | 18-22   |
| Number of contacts                                    | 3 contacts size 16  |
| Contact Type  | AWG Crimp   |
| Contact Plating                                       | Hard silver   |
| Shielding   | no  |
| Insulator Rotation                                    | 70°   |
| Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) | 22 A  |
| Contact Resistance (Size 15/15S/16/16S)               | 6 mΩ  |
| Wire Cross Section                                    | AWG 18/16   |
| 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 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 15/15S/16/16S)           | 1,0 N   |
| Gauge   | For infos on Gauge please see catalog VG95234, part 1   |
| Coupling Torque                                       | Closing: 8 Nm max / Opening: 0,58 Nm min  |
| Contact Retention (Size 15/15S/16/16S)                | 35 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  |
| General Info  | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>   |

Specifications and dimensions subject to change.