



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Datasheet for part number CA3102R32-1P

| | |
|---------------------------------------|---|
| Our Catalog Part Number: CA3102R32-1P | |
| 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 | Box mounting receptacle |
| Gender | Pin |
| Shell Size | 32 |
| Contact Arrangement | 32-1 |
| Number of contacts | 2 contacts size 0, 3 contacts size 12 |
| Contact Type | Solder Cup |
| Contact Plating | Hard silver |
| Shielding | no |
| Contact Rating at +20 °C (68 °F) (Size 25/12) | 41 A |
| Contact Rating at +20 °C (68 °F) (Size 500/0) | 245 A |
| Contact Resistance (Size 25/12) | 3 mΩ |
| Contact Resistance (Size 500/0) | 0,2 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 | 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 (1 bar pressure after 12 hrs) |
| Salt Spray Resistance | 500 hours salt spray resistant |
| Mating Cycles | 500 min |
| Sep. Force per Contact (Size 25/12) | 1,5 N |
| Sep. Force per Contact (Size 500/0) | 8,5 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 (Size 25/12) | 55 N |
| Contact Retention (Size 500/0) | 95 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 | See assembly instruction |
| Harnessing Info: Insulator Diameter | See assembly instruction |
| Wire Stripping (Size 25/12) | 6,2 mm |
| Wire Stripping (Size 500/0) | 13,7 mm |
| General Info | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i> |

Specifications and dimensions subject to change.