



## Datasheet for part number CTC 16 WAY RECEPT BLACK

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| Our Descriptive Part Number: CTC 16 WAY RECEPT BLACK                      |
| Our Global Manufacturing Part Number: 132015-0074                         |
| Brand: Cannon Product Category: Trident Product Line: Trident Series: CTC |

| Product Datasheet                   |   |
|-------------------------------------|---|
| SERIES                              | CTC   |
| IMAGE                               |   |
| STYLE                               | Receptacle  |
| COLOR                               | black   |
| NUMBER OF CONTACTS                  | 16  |
| CURRENT RATING                      | Up to 13A, up to 16A with high conductivity contacts  |
| OPERATION VOLTAGE                   | Up to 250V ac rms   |
| WIRE RANGE                          | Contacts will accept wire ranges of 24-16 AWG (0.20 to 1.50 mm <sup>2</sup> )   |
| OPERATING TEMPERATURE               | -55°C to +105°C (-67°F to +221°F)   |
| DURABILITY                          | 200 cycles (T2P) and up to 500 cycles (T3P)   |
| SINGLE CONTACT RETENTION FORCE      | > 67N   |
| SINGLE CONTACT INSERTING FORCE      | < 50N   |
| CONNECTOR MATING & WITHDRAWAL FORCE | <180N   |
| LATCH RETENTION FORCE               | >150N   |
| ENVIRONMENTAL SEALING               | Up to IP69K with end caps   |
| FLAMMABILITY                        | UL 94 V-0   |
| DIELECTRIC VOLTAGE                  | 1550 V ac for 60 seconds  |
| THERMAL SHOCK                       | -55°C to +125°C (-67°F to +257°F), 5 cycles   |
| PHYSICAL SHOCK                      | 50g's peak, 3 axes, 11millisecond duration half-sine pulse, no loss of continuity >1µsec  |
| FLUID RESISTANCE                    | Connectors show no damage when exposed to most fluids used in industrial applications   |
| VIBRATION                           | 10g's peak, 10-500 Hz, 9 hours, no loss of continuity >1µsec  |
| SALT SPRAY                          | 48 hours  |
| TEMPERATURE ENDURANCE               | 1000 hours at 125°C (+257°F); Insulation resistance > 100MΩ   |
| HUMIDITY                            | Steady state RH 90-95%, 40°C (+104°F), 504 hours; Insulation resistance > 100MΩ   |
| SUBMERSION                          | In mated condition, properly wired, placed in a depth of water of 1 meter for 30 minutes without loss of electrical performance |
| TEST REPORT                         | Available upon request  |
| MOISTURE RESISTANCE                 | 10 Cycles; Insulation resistance > 100MΩ  |
| HOUSING / END CAP MATERIAL          | Thermoplastic   |
| SEAL GASKET MATERIAL                | Silicone rubber   |
| INTERFACE GASKET MATERIAL           | Silicone rubber   |
| CONTACTS                            | Brass or copper alloy & stainless steel. Tin, gold, silver plated   |
| SEALING PLUG MATERIAL               | Thermoplastic   |

Specifications and dimensions subject to change.

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