



Datasheet for part number CTC 24 WAY PLUG BLACK

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| Our Descriptive Part Number: CTC 24 WAY PLUG BLACK |
| Our Global Manufacturing Part Number: 132015-0075 |
| Brand: Cannon Product Category: Trident Product Line: Trident Series: CTC |

| Product Datasheet | |
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| SERIES | CTC |
| IMAGE |  |
| STYLE | Plug |
| COLOR | black |
| NUMBER OF CONTACTS | 24 |
| 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 ²) |
| 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.