




## Datasheet for part number CTC 24 WAY PLUG BLACK

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	
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 <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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