




## Datasheet for part number CTC 8 WAY PLUG BLACK

Our Descriptive Part Number: CTC 8 WAY PLUG BLACK
Our Global Manufacturing Part Number: 132015-0134
Brand: Cannon Product Category: Trident Product Line: Trident Series: CTC

Product Datasheet	
SERIES	CTC
IMAGE	
STYLE	Plug
COLOR	black
NUMBER OF CONTACTS	8
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	<130N
LATCH RETENTION FORCE	>125N
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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