

MCATV0506P1L010A01

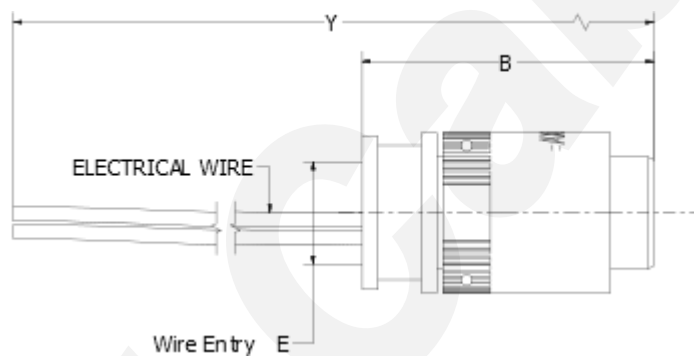
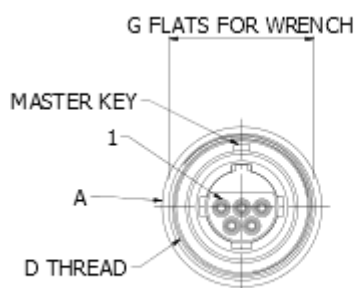
General information

- § Circular micro-D connector
- § Metric thread
- § Nickel plated brass + epoxy resin 150°C
- § E2607, AWG26, 7 strands, 600V : White, 10cm
- § Male (pin contacts) : 5 contacts
- § In-line plug
- § Master key position : 0°
- § Rear funnel for heat-shrinkable boots only



Dimensions

Dimensions are in millimetres (inches)



Ø A max. Male	Ø A max. Female	B max. Male	B max. Female	C max. Male	C max. Female	D Thread	Wire Entry Ø E	Screen Term. Funnel & Oslash F	G Flats For Low Profile Wrench	Y -0/+5 (- 0/+1.96)
10.1	10	18.45	21.4	25.45	28.4	M9x0.5	5.8	7.2	9	100
(.398)	(.394)	(.726)	(.843)	(1.002)	(1.118)	(-)	(.228)	(.283)	(.354)	(3.937)

Summary of characteristics

ELECTRICAL & MECHANICAL PERFORMANCE		MATERIAL & FINISH	
CURRENT RATING	3 A max	MALE CONTACT (TWIST PIN)	material : copper and beryllium copper finish : gold plating / over nickel underplate
CONTACT RESISTANCE	8 mΩ max .	FEMALE CONTACT	material : copper alloy finish : gold plating / over nickel underplate
INSULATION RESISTANCE	5000 MΩ min . @ 500 V DC	METAL SHELLS /FUNNELS / NUTS	material: aluminium alloy finish: electroless nickel plating/ dark grey finish over electroless nickel plating
DIELECTRIC WITHSTANDING VOLTAGE	Sea level : 600V AC Altitude 21km (70,000 ft) : 150V AC	PLASTIC INSERT / PCB TRAY	liquid cristal polymer 30% loaded glass fibre polyester
CONTACT ENGAGING & SEPARATION FORCE	170 g max . (6 oz) / 14 g min . (0.5 oz)	O-RING / PANEL SEALS	fluorisilicone rubber
BREAKAWAY CONNECTOR DE-MATING FORCES	5 ways: 25N - 7 ways: 27N - 12 ways: 30N - 15 ways: 35N - 19 ways 50N - 37 ways: 65N	ENCAPSULANT	epoxy resin
CONTACT RETENTION	2 .26 kg (5 lbs) for 5 seconds min	INSULATED WIRE	ptfe insulated silver plated copper / crosslinked etfe insulated silver plated copper
DURABILITY	500 mating cycles min	UNINSULATED WIRE	gold/tin plated solid copper wire
TEMPERATURE RANGES	standard : -55°C / +150°C high temperature: -55°C / +200°C	SPRINGS FOR BREAKAWAY	stainless steel
VIBRATION	20 g's - No discontinuity >1μs		
SHOCK	50 g's - No discontinuity >1μs		
SALT SPRAY	48 hours		
HUMIDITY	Insulation resistance > 1MΩ		

Master Key

