

# Amphenol-Tuchel C 091 Series



## SUITABLE FOR A WIDE RANGE OF APPLICATIONS

The Amphenol-Tuchel C091 series connectors are available in a variety of contact arrangements and have a metal integral strain relief. They are available in straight or right-angle configurations.

### APPLICATIONS

- Factory automation
- Motors
- Robotics
- Test & measurement
- Machine tools
- Heavy equipment
- Control systems
- Sensors

### FEATURES

- Available with crimp solder or PCB terminals
- Internal strain relief
- Ability to rewire
- Cable housing straight or right-angled
- UL registered file #E63093
- Front or rear mounting receptacles
- EMI-shielded, fully-mated on A&D types
- One cable housing for cables 6 to 8mm

### TECHNICAL SPECIFICATIONS

COMMON SPECIFICATIONS FOR C 091A, C 091B & C 091D		
Number of Contacts	3 - 8 Contacts	12 & 14 Contacts
Rated Voltage	250V	60V
Current Rating	5 A / +104°F (+40° C)	3 A / +104°F (+40°C)
Temperature Range	-40°F to +185°F (-40°C to +85°C)	
Mechanical Operation	Silver ≥ 500 mating cycles; Gold ≥ 1000 mating cycles	
Dielectric Material	Thermoplastic	
Contact Plating	Silver-plated / gold-plated **	
Termination Technique	Solder, crimp	Solder
Wire Gauge	Solder ≤ 0,5mm <sup>2</sup> (20-26 AWG), Crimp 0.14 – 0.75mm <sup>2</sup> (26-18 AWG)	≤ 0.25mm <sup>2</sup> / 24AWG
Flammability	UL 94 V0	

DIFFERENCES IN SPECIFICATIONS			
	C091A	C091B	C091D
Shell Style	C091A	C091B	C091D
IP-degree	IP40	IP40	IP67 / IP65
Housing Material	Coupling ring brass, strain relief, die cast, nickel-plated	Die cast, nickel-plated	Die cast, nickel-plated
Sealing Material	-	-	Neoprene
Locking System	Metal screw coupling	Bayonet	Metal screw coupling

### APPROVALS

UL



File #E63093