

Subminiature Cylindrical, cont.

Tri-Start™, MIL-DTL-38999 Series III

Reference Catalog 12-092



APPLICATION

TV Series D38999 High performance, general duty and severe environmental applications.

STANDARDS/ REQUIREMENTS

MS versions meet or exceed MIL-DTL-38999 Series III. Lanyard release style meets MIL-STD-1760 requirements.

COUPLING/ MOUNTING

Threaded coupling. Quickly and completely mate in one 360° turn of the coupling nut. Self locking - lockwiring is eliminated. 5 key/keyway polarization eliminates mismatching. Universal mounting holes for front or rear mounting. Locksmith metal keying to aid in blind mating.

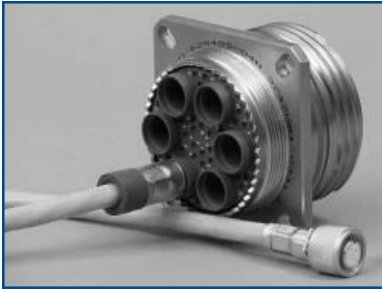
CONTACT TERMINATION

Crimp termination. Recessed pins (100% scoop-proof feature minimizes contact damage). Also available with PCB and compliant press-fit termination (See Cylindrical Connectors for PCB application on pages 52-53).

PERFORMANCE ENVIRON./ELECT.

Operating temp. from -65°C to +200°C. Superior EMI shielding is achieved through the combination of grounding fingers and solid metal to metal mating. IP67 rating for environmental sealing. Corrosion resistance: shells of stainless steel or cadmium over nickel plating withstand a 500 hr. salt spray exposure. Operating voltage to 900 VAC (RMS) at sea level.

TRI-START SPECIALS:



Tri-Start with Quadrax Contact

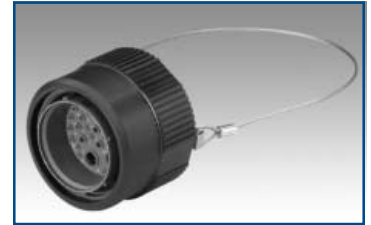
TRI-START SPECIALS:



Tri-Start with Deep Reach Shell



Tri-Start with Stand-off Flange



Tri-Start Fail-Safe Breakaway with Improved Durability Composite Shell

OPTIONAL FEATURES

- 6 shell styles plus special deep-reach shells for increased panel thickness and special stand-off flange shells for attachment to printed circuit boards.
- Special design with integral strain reliefs.
- Over 50 insert patterns.
- Hermetic seal (glass fusion) receptacle styles available.
- Stainless Steel Firewall, Class K styles available. (See Engine Connectors, page 21).
- Variety of shell finishes.
- Twinax, coax, triax, quadrax and filter contacts and fiber optic termini options. See contact section at end of catalog.
- Ground plane versions (see page 13).
- Fail-safe lanyard release plug style versions. See page 59.
- Printed circuit board contacts, wire wrap and compliant press-fit contacts.
- ESD (Electrostatic Discharge Protection) available with use of Faraday cage to shunt high voltages.
- Additional EMI/RFI protection devices can be integrated. See Filter section.
- Flex termination assemblies for attachment to PCB boards. (See page 53).

MARKETS

- Military Aerospace
- Military Vehicles
- Commercial Aircraft
- Medical Equipment
- Space Applications

Composite Tri-Start™, MIL-DTL-38999 Series III

Reference Catalog 12-092



APPLICATION

CTV Series D38999 Same high performance, environmental capability of metal shell 38999 Series III. Composite shells. Provides 17% to 70% weight savings over metal, and enhanced corrosion resistance.

STANDARDS/ REQUIREMENTS

MS versions meet or exceed MIL-DTL-38999 Rev. K.

COUPLING/ MOUNTING

Threaded coupling. Completely intermateable with standard metal D38999 Series III.

CONTACT TERMINATION

Crimp termination. Recessed pins (100% scoop-proof feature minimizes contact damage).

PERFORMANCE ENVIRON./ELECT.

Operating temp. from -65°C to +200°C. IP67 rating for environmental sealing. Corrosion resistance: composite shells withstand 2000 hrs. of salt spray exposure. Operating voltage to 900 VAC (RMS) at sea level.

OPTIONAL FEATURES

- 3 shell styles, utilizing same insert patterns as metal Series III.
- Includes all options available in metal Series III, except firewall capability.
- Unplated shells available.

MARKETS

- Military Aerospace
- Military Vehicles
- Commercial Aircraft
- Space Applications