

STMP Series threaded coupling Connectors (MIL-C-5015 STYLE)

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General description

Threaded STMP series connectors have been designed to conform completely to all material and performance requirements of MIL-C-5015 specification. These popular connector styles are particularly well suited to commercial applications, where a low cost, yet extremely rugged connector is required. An extensive range of accessories allows these connectors to operate in any environment. The standard MIL-C-5015 lay-outs allow the mixing of power and signal contacts, power only, or signal only. Copper contacts are available as solder, silver or gold plated and also thermocouple materials.

Housing material and plating

Aluminium alloy

Plating :

- Olive drab chromate Coating over Cadmium plating
- Green zinc plating
- Nickel plating
- Cationic electrodeposition of black paint, non conductive
- Olive drab surface passivation cadmium free

Insert material and plating

High insulation synthetic rubber, oil and low temperatures resistant (-55°C to +125°C)

Contact material and plating

Copper alloy with silver or gold plating.

Contact types

solder

IP class

No IP class available, because of the military standards, but an extensive range of accessories allows these connectors to operate in any environment.

Contact lay-out

Over 200 lay-outs are available from 1 to 150 contacts. The standard MIL-C-5015 lay-outs allow the mixing of contacts 22A and 245A.

Accessories

Available accessories include cable clamps, sleeves, caps and gaskets.

Electrical characteristics

# contacts	Max current	Rated voltage	Test voltage VAC RMS	Max contact resistance
1-150	22A, 41A 73A, 135A and 245A	AC: 200V - 3,000V DC: 250V - 4,200V	AC RMS: 1,000V - 7,000V	6.0 mΩ to 0.2mΩ

Mechanical characteristics

°C	Wire size
-55°C to + 125°C	AWG 0 - AWG 22 53.3 mm ² - 0.325 mm ²