FCT High-Power Contacts are precision machined and deliver up to a 40.0A current rating, making them ideal for FCT Mixed-Layout D-Sub Connectors.

Features and Advantages

**Machined contacts**
- Superior current-carrying capacity. Offers contact variety and plating options. Provides high mating cycles and increased strength over stamped contacts.

**Designed for several types of terminations**
- Delivers design flexibility. Effective for cable terminations (crimp, solder) or PCB terminations (e.g., straight or right-angled, press-fit).

**High-current rating from 10.0 to 40.0A**
- Ideal for mixed layout connectors requiring high power.

Markets and Applications

- **Commercial Aviation**
  - Unmanned vehicles
  - Commercial aircraft cabins
- **Consumer**
  - Drones
- **Industrial Automation**
  - Motion control
  - Robotics
  - Power/signal distribution
  - Control panels
- **Medical**
  - Non-ferrous environments
- **Commercial Vehicle**
  - IP67 breakout cables/overmolding
  - Power/signal distribution
- **Telecommunications**
  - Receivers
  - Satellite dishes

Application

Industrial Motor Applications

MRI Equipment

High-Speed Train

Satellite Dishes
### Specifications

**ELECTRICAL**
- Current (max.): 10.0, 20.0, 30.0 and 40.0A
- Contact Resistance: \( \leq \) 1 milliohms

**MECHANICAL**
- Mating Force per High-Power Contact: \( \leq \) 7N
- Unmating Force per High-Power Contact: \( \geq \) 5N
- Durability (min.):
  - Standard — 500 Mating Cycles
  - Low-Cost — 200 Mating Cycles

**PHYSICAL**
- Contact Material: Copper Alloy
- Plating Material: Gold over Nickel
- Operating Temperature: -55 to +155°C

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