

Cadillac 50 Series

Quick Disconnect Bayonet Power and Control Connectors for Transit Applications

The Cadillac 50 Series bayonet connector is the most versatile electrical multi-pin connector available. Originally designed for the hostile environment of the transportation industry, 50 Series connectors are based on the MIL-C-5015 specification. They offer improved performance characteristics while maintaining the standard MS shell sizes and insert configurations, and are available in quick couple/de-coupling bayonet or standard threaded styles. With a wide array of available options and insert configurations, the versatility offered by these connectors is unmatched.

Contact Clements for a detailed 50 Series catalog or help with your specific application. We'll provide you with an interconnect solution that is both cost effective and meets your design objective.



Heavy-duty coupling nut for severe service applications

Sure grip protective molded coupling nuts are available in various colors

Durable polyurethane black finish for transit environments



The 51 Series Rail Transit Connectors offer interconnect solutions where high reliability is required in hostile environments.



Special circular connectors provide threaded or bayonet coupling solutions for a wide range of applications.

Consult Clements for more information.

Two bayonet coupling styles are available. Each offers the same unique positive lock/quick disconnect that surpasses standard Mil-Spec environmental requirements.



Improved bayonet coupling system for increased reliability in hostile environments such as rail transit applications. Ask for Cadillac 51 Series connectors.



Standard/traditional Mil-Spec bayonet coupling system utilizing a dynamic sealing gasket. Ask for Cadillac 50 Series connectors.

Design Benefits:

- Operating Temperature: -67°F to 257°F (-55°C to 125°C)
- Rapid coupling/de-coupling action
- Increased vibration resistance with wave spring and washer inside coupling nut
- Waterproof protection after coupling
- Coupling operation ensured by audible snap-in lock
- Shells manufactured from high quality aluminum alloys
- Protection of the critical point of the receptacle's bayonet ramps by means of a stainless steel pin
- Crimp or solder type contacts are available for all sizes
- Available gold plated over nickel or silver plated contacts
- A wide range of contact sizes - 20 AWG to 4/0 AWG
- Available flame resistant insulator and elastomeric components conforming to specifications requiring low smoke and low toxicity performance
- Available extended coupling life performance with Cadillac 52 Series
- All Cadillac 50 Series connectors are intermateable with all major brands
- Also available Cadillac 53 Series Threaded connectors conforming to Mil-C-5015 specification

Power Line Series, quick mating single pole high current connector for harsh environment applications feature rear removable contacts and safety protection with an optional "dead front" male & female interface.



Panel mount male and female connectors

In-line male and female cable connectors

Design Benefits:

- Temperature rating: -30° to +125° C Rated IP68 when mated.
- Maximum current: 750A for cables up to 300 mm²
- Accepts cable ranges from 50mm² - 300 mm²
- Different keying orientations are available to eliminate the possibility of accidental cross-mating.
- Various color codes are available for easy circuit identification: black, blue, brown, green, grey, red, white and yellow.