### **PowerTrip® Connectors and Accessories**

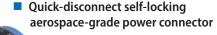


# Introduction Features and Benefits

#### Series 970 PowerTrip®

The Series 970 PowerTrip® connector is a quick-disconnect, self-locking aerospace grade power connector with EMI shielding capability and improved environmental protection compared to conventional aerospace-grade power and signal connectors. Insert arrangements include size 8, 4, 1/0 and 2/0 high ampacity contacts for DC, single phase AC and three phase AC power feed requirements. Auxilliary size 16 and 12 contacts are last-mate/first-break for interlock circuits.





- 2000 VAC (DWV)
- -65° to +200°C
- EMI ground spring
- Crimp, rear-release contacts
- High shock, high vibration
- Advanced environmental sealing:
   6 feet / 48 hour water pressure rating
- High ampacity contacts
- 5 key polarizing
- Splined backshell interface
- Triple start stub ACME thread
- Hermetic receptacles
- Integral banding platform
- Bus bar contacts
- Gold or silver plated contacts



#### PowerTrip® Accessories

A full range of backshells, protective covers and assembly tools including heavy duty M28840 type EMI backshells rated for 6 feet water immersion. The backshell-to-connector interface features radial splines for higher strength and improved EMI shielding.



## High Ampacity LouverBand Contacts

Low-resistance PowerTrip® LouverBand socket contacts have beryllium copper springs for improved electrical performance and increased durability. Contact bodies are machined from high IACS (>96%) copper alloy.

