

## Introduction

## Features and Benefits

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### 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.



- Quick-disconnect self-locking aerospace-grade power connector
- 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.

