

# Amphenol Rhino Series Connectors



## SINGLE POLE HIGH POWER CONNECTOR FOR HARSH ENVIRONMENT SYSTEMS

Amphenol combines the benefits of field proven Mil-DTL-38999 Series III circular connectors with low resistance hyperbolic RADSOK® contacts that extend the boundaries of high power connector technology. Designed to meet the latest military and industrial specifications, Rhino 38999 connectors also meet stringent safety requirements.

Rhino 38999 connectors are intended to satisfy market requirements for high power & voltage applications in harsh environment conditions. With IP68 sealing, an anti-decoupling ratchet mechanism, superior EMC performance and RoHS compliant Black Zinc Nickel plating, Rhino 38999 connectors ensure a reliable connection even under high vibration.

High reliability applications including vehicular, aerospace, industrial, automation, mining, offshore and other harsh environment can all be addressed using the Rhino 38999 series.

### APPLICATIONS

- Harsh environment vehicles
- Hybrid / electric drive vehicles
- Military aircraft
- Naval systems
- C4I base stations
- Power distribution modules
- Communications towers
- Satellite communications
- Mass transit

### FEATURES

#### TECHNOLOGY

Current rating up to 1000A, Operating Voltage up to 630V.

#### MECHANICAL

38999 Series III or Bulldog breakaway connector interface, jam-nut, flange mount and inline connections, 500+ mating cycles.

#### TERMINATION

Crimp, screw or flathead contact termination available. Straight or right angled backshells available for strain relief.

#### SAFETY

IP2X, plastic cap on pin contact to prevent shock.

#### ENVIRONMENTAL

Aluminum, Stainless Steel or Aluminum Bronze shells available. Temperature range -55°C to +125°C, 500 Hour Salt Spray - plating dependent. IP68 sealing.

#### ROHS COMPLIANT

Zinc Cobalt and Zinc Nickel plating finishes available.