The new single pole high power connector series from Amphenol UK

Amphenol Ltd combines the benefits of field proven MIL-DTL-38999 Series III circular connectors with low resistance hyperbolic RADSOK® power contacts. Designed to meet the latest military and industrial specifications, Rhino 38999 connectors also comply with 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.
### Features

**Hyperbolic contact design**

- High reliability
- Low engagement/separation forces
- Low contact resistance
- High contact endurance
- High current carrying capacity up to 1000A

**Touch protected contacts**

- High degree of safety
- IP2X finger protection

**Safe mating design**

- Keyway engagement prior to contact connection ensures system protection

**MIL-DTL-38999 series III design features**

- Proven performance in the field
- Tri-start thread coupling mechanism
- Suitable for high vibration environments
- Anti-decoupling ratchet mechanism
- Superior EMC performance

**MIL-DTL-38999 panel cut-outs**

- Industry standard footprint

**MIL-DTL-38999 black zinc nickel plating**

- RoHS Compliant
- Meets the industry requirements to restrict the use of hazardous substances
- 500hrs salt spray endurance
- GVA compliant

**Sealed to IP68 (mated)**

- A high degree of sealing to protect against dust and water ingress

**Multiple key orientations**

- Six standard key options to prevent miss-mating

**Various contact termination styles**

- Suitable for bus-bar, lug and crimp termination
- Straight or right angle termination

**Modular design**

- Simple termination
- Reduced assembly and installation time

**Low profile right angle backshell variant**

- For use in confined spaces

**Alternative materials and plating finishes available**

- Marine Aluminium Bronze and Stainless Steel for high corrosion environments
- Titanium for weight restricted applications
- Also available in traditional plating finishes such as Cadmium, Zinc Cobalt and Electroless Nickel

### Benefits

**High reliability**

**Low engagement/separation forces**

**Low contact resistance**

**High contact endurance**

**High current carrying capacity up to 1000A**

**High degree of safety**

**IP2X finger protection**

**Keyway engagement prior to contact connection ensures system protection**

**Proven performance in the field**

**Tri-start thread coupling mechanism**

**Suitable for high vibration environments**

**Anti-decoupling ratchet mechanism**

**Superior EMC performance**

**Industry standard footprint**

**Meets the industry requirements to restrict the use of hazardous substances**

**500hrs salt spray endurance**

**GVA compliant**

**A high degree of sealing to protect against dust and water ingress**

**Six standard key options to prevent miss-mating**

**Suitable for bus-bar, lug and crimp termination**

**Straight or right angle termination**

**Simple termination**

**Reduced assembly and installation time**

**For use in confined spaces**

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