

High Power



Touch Protected



Waterproof



Rugged



RHINO 38999

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.



Amphenol®



Features

Benefits

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