

Amphenol®



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VORTEX GT Power Connectors featuring Bi-Metallic Technology

Amphenol's® introduction of the Vortex GT Connector brought a capable new product to the Wind Market. Building on the proven GT construction, the Vortex GT features an 18mm RADSOK for enhanced electrical performance, rugged shell construction suitable for harsh environments, and a multitude of conductor sizes. The benefits of a reliable connector for low voltage tower connections are quickly spreading through the industry.

Recognizing the rising costs and heavy weight of copper cables, Amphenol® offers a new Vortex GT Bi-Metallic Solution. While retaining all the features of the standard Vortex GT, the bi-metallic contact option enables plug and play mating of aluminum conductor cables, without galvanic corrosion issues. The Vortex GT not only allows for changes in conductor size at the connector, but the bi-metallic also allows for changing conductor materials anywhere along the line.

Features:

- 1/4 Turn Reverse Bayonet
- Crimp or Busbar Termination
- Bi-Metallic Contacts
- Finger Proof
- Current: 800Amp
- Voltage: DC 2500V
- Operating Temperature: -40°C to +125°C
- 2000 Mating Cycles
- 300 Day Salt Spray Rating

The Vortex GT is a reverse bayonet connector which incorporates our patented RADSOK technology. It is designed to deliver high power from source to load. The plug contains an 18mm RADSOK socket and the receptacle contains an 18mm pin with the option of crimp, 2 hole busbar, or threaded busbar termination. When unmated, personal safety is maintained through touchproof, dead-front contact design. The RADSOK'S strongest benefit is its very low milli-volt drop and minimized temperature rise when transmitting high current. The 18mm Vortex GT is perfectly suited for high amperage applications such as electrical generators, fuel cells, load banks, and charging systems.

Benefits:

- Quick positive coupling
- Vibration resistant
- Audible, tactile and visual indication of full coupling
- Harsh Environment Ready
- High Amperage Applications
- Easily Adaptable
- Better Conductivity where needed
- Allows conductor size change
- Allows Aluminum-to-Aluminum and Aluminum-to-Copper Coupling



Adapter Size	Standard Shell Size	Standard Plastic Gland Range	Standard Aluminum Gland Range	Standard EX-35 Gland Range	Typical Wire Well Size
M40	32	.748" - 1.102"	.748" - 1.102"	.906" - 1.268"	4/0awg, 262MCM, 313MCM
M50	32	1.063" - 1.378"	1.063" - 1.378"	1.110" - 1.504"	313MCM, 373MCM, 444MCM
M63	40	1.339" - 1.772"	1.339" - 1.772"	1.307" - 1.736"	535MCM, 646MCM, 777MCM

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