

# Amphenol®



## VORTEX GT Power Connectors

Amphenol®, which has been manufacturing connectors for more than 75 years, offers an extensive array of connector lines including rectangular, circular, fiber optic, EMI/EMP filter and a variety of special application connectors.

With the introduction of its patented RADSOK® technology, Amphenol® Industrial Operations (AIO) revolutionized the connector industry. RADSOK'S twisted grid configuration allows for 50% more current to pass through the same size pin, while providing increased reliability, ampacity and cycle durability as well as lower insertion force, T-rise and voltage drop.

### Features:

- 1/4 Turn Reverse Bayonet
- Crimp or Busbar Termination
- Silver Plated 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
  - Environmental Applications
  - High Amperage Applications
  - Easily Adaptable
  - Better Conductivity where needed
  - Allows conductor size change



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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