

# Amphenol®



## RIG-Lok

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

- Ruggedized over-molded coupling nut
- Wire gages 4/0 awg through 777 MCM
- Utilizes patented Radsok Technology
- 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 RIG-Lok 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 RIG-Lok 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
- Hardware options include plugs, inline receptacle, and panel mount receptacles



Example Plug Part Number: V-06G-E-M50-7-N-BL  
 Example Receptacle Part Number: V-03B-E-N-BL

V = Vortex GT Connector	
1 =	06G Plug with Crimp Socket Contact 03C Receptacle with Crimp Pin Contact 03B Receptacle with 2 Hole Busbar Pin Contact 01C Inline Receptacle with Crimp Pin Contact
2 =	Omit No Protective Cap E Protective Cap
3 =	Omit Plug or Receptacle Without Rear Hardware M40 Metric M40 Cable Adapter With Gland .748-1.102" M50 Metric M50 Cable Adapter With Gland 1.063-1.378" M63 Metric M50 Cable Adapter With Gland 1.339-1.772"
4 =	Omit Threaded or 2 Hole Busbar Receptacles 1 120 mm sq and 4/0awg crimp wire well 2 150 mm sq and 262MCM crimp wire well 3 185 mm sq and 313MCM crimp wire well 4 200 mm sq and 373MCM crimp wire well 5 240 mm sq and 444MCM crimp wire well 6 535 MCM crimp wire well 7 646 MCM crimp wire well 8 777 MCM crimp wire well
5 =	N 180° Normal Rotation, Keyed Receptacle Shell and Slotted Plug J 360° Rotation, No Keyways W 120° Alternate Rotation, Keyed Receptacle Shell and Slotted Plug X 90° Alternate Rotation, Keyed Receptacle Shell and Slotted Plug Y 210° Alternate Rotation, Keyed Receptacle Shell and Slotted Plug
6 =	Omit No Color Coded Powdercoating BL Blue Powdercoat for DC Voltage OR Orange Powdercoat for DC Voltage Y Yellow Powdercoat for DC Voltage BR Brown Powdercoat for DC Voltage R Red Powdercoat for AC Voltage W White Powdercoat for AC Voltage BK Black Powdercoat for AC Voltage G Green Powdercoat for AC Voltage
7 =	**** Modification - Please Consult the factory for additional options.

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