

# Amphenol®



## RIG-Lok

Amphenol, which has been manufacturing connectors for more than 80 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 Products Group (AIPG) 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: Tested at 100°C Ambient
  - 800A (110° C Cable)
  - 1135A (125° C Cable)
- Voltage: 2500VAC
- Component Operating Temperature: -40°C to +125°C
- 2000 Mating Cycles
- 300 Day Salt Spray Rating

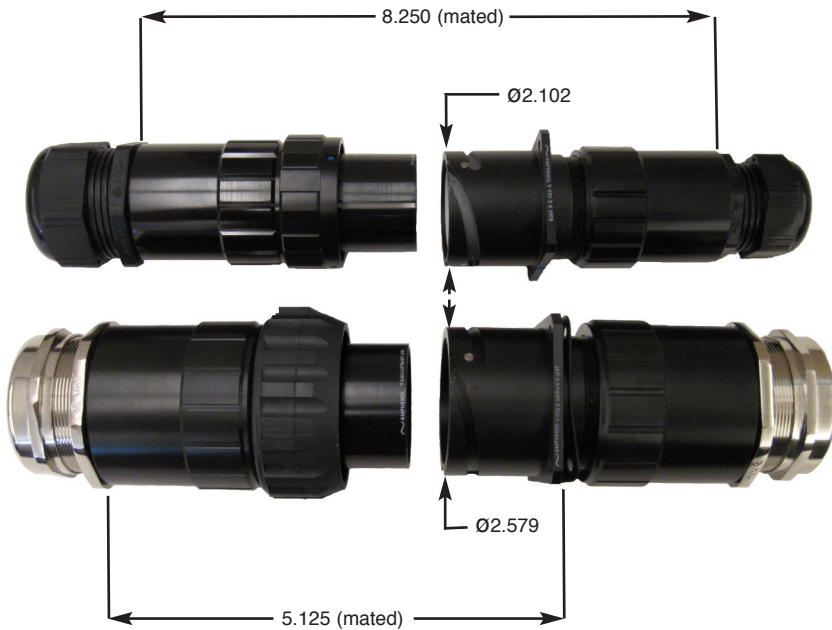
[www.amphenol-industrial.com](http://www.amphenol-industrial.com)



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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