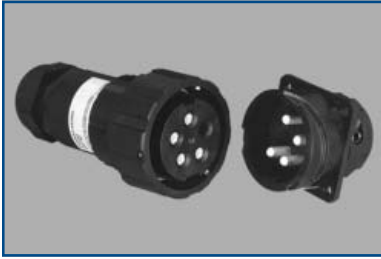


MS/Standard Cylindrical, cont.

Amphe-Power™ Composite Amphe-GTR

Reference Brochure SL-391



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Amphe-GTR GT connector with RADSOK high amperage sockets. The plug shell, coupling nut, receptacle and hardware are all high performance molded composite material.	Listed per UL1977/UL1682/UL817. Meets all the specifications for high power process control and server applications.	Reverse bayonet coupling.	Compression (setscrew) wire termination to the 4/6AWG or 8/10AWG conductors allows easy field replacement of pin or socket contacts, or complete plug and receptacle assemblies, without requiring specialized tooling.	Meets same performance levels as GT series. (See page 26). RADSOK contacts enable increased current ratings to 120A on individual contacts. Utilizes a standard PG adapter to achieve IP67 seal rating. Flammable rated to UL94V-0.

OPTIONAL FEATURES

- Currently available in shell size 32 with 4 or 5AWG contacts. Consult Amphenol Power Solutions for future sizes and patterns.

MARKETS

- Factory Automation
- Rail/Mass Transportation
- Process Control

Power GT Connectors

Reference Brochure SL-391.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Another Amphe-Power type - a GT series modification incorporating three 8.0mm RADSOK contacts mounted in a common termination to busbar or cable. This design created the first TUV "finger-proof" 500A connector in the marketplace.	GT series characteristics, but enhanced to an ultra-high current density in a compact shell size 28 layout.	Same reverse bayonet coupling as GT series. Ninety degree wire orientation on the plug also provides low-profile mounting for tight packaging requirements.	Crimp or solder termination. RADSOK sockets on receptacle side and the pins on the plug side can be fitted with "dead-front" tips to finger-proof the plug.	Operating temp. from -55°C to +125°C. TUV "finger-proof" 500A capability. IP67 performance in environmental versions. Operating voltage to 3000 VAC (RMS) at sea level.

OPTIONAL FEATURES

- Currently available in shell size 28 with three 8.0mm RADSOK contacts. Consult Amphenol Power Solutions for future sizes and patterns.
- Can be over-molded or can be fitted with mechanical hardware.

MARKETS

- Hybrid Vehicles
- Power Generation
- Rail/Mass Transportation
- Heavy Equipment

Amphe-Power P-Lok Connectors

Reference Brochure SL-391



Amphe-Power P-Lok



Amphe-Power 14mm P-Lok

APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Amphe-Power P-Lok connectors are designed for high amperage usage in industrial and transportation applications.	P-Lok and MIL-C-5015 characteristics, enhanced with RADSOK for higher amperage usage.	Spring pressure push-pull mating of the P-Lok series. Audible and tactile conformation of positive locking.	Crimp termination. Amphe-Power P-Lok connectors have RADSOK contacts, available in size 8 (69 amps), size 4 (120 amps), and size 0 (250 amps). The 14mm Amphe-Power design has size 28 shell, and a single crimp pin contact in 2/0 or 4/0 AWG size. The receptacle has the 14mm RADSOK socket with crimp or busbar-mount terminations available.	Meets same performance levels as P-Lok. RADSOK socket is rated for 500A continuous duty. Environmentally sealed to IP67.

OPTIONAL FEATURES

- Standard connector options available within the P-Lok family including electroless nickel finish on the shell.
- Dead-front pin contacts are available.
- UL recognized leakage paths is an option.
- Touch-proof sockets are available.
- Custom over-molded cable solutions are offered by Amphenol for this product and most all industrial cylindrical connectors. Neoprene, Hypalon and other materials are available in both straight and right-angle wire orientations.

MARKETS

- Power Generation, Petro-Chemical
- Rail/Mass Transportation
- Fuel Cells, Energy Storage, Power Motors
- Hybrid Vehicles