

Special Purpose Interconnection Products, cont.

ECTA Series 133 Connectors

Reference Amphenol Air LB ECTA Series 133 Catalog or consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Circular Push-Pull interconnection system for industrial applications for which frequent mating/unmating (1000 mating cycles), environmental sealing (up to IP67) and high vibration performance is critical. Available for signal and power transmission.	Meets UL 1977, IEC 61984: 2001 (VDE 0627) spec. Vibration: IEC 60512 (IEC 68-2-6) 10-2000 Hz/10g/10 cycles per axis. Shock: IEC 60512 (IEC 68-2-29) 25g/6 ms/ 50 bumps per axis.	Insert position provides multiple polarization combinations for polarization between connectors. The variety of standard shells include flanged receptacles and cable to cable receptacles. Standard shell sizes: 0.6 inches up to 2.6 inches.	Standard inserts offer a variety of contact arrangements for power and signal applications, incorporating contacts for 5, 7.5, 10, 13, 25, 40, 100 and 125 Amps. Contacts are available in crimp, solder and PCB versions.	Operating temp. from -40°C to +125°C. Environmental up to IP67, including bulkhead applications. Corrosion resistance: aluminum shells with nickel plating; locking ring is black anodized. Withstands a 48 hr. salt spray exposure. Operating voltage: to 1000 VAC depending on arrangement.

OPTIONAL FEATURES

- Includes a variety of backshells for unsealed, IP67 and EMI shielding applications.
- Fiber optic inserts available.
- Can be ordered cabled and overmolded.
- Inserts can be customized for a variety of arrangements.
- Available for high current applications up to 125 Amps, including the First Mate/Last Break feature and PCB applications.

MARKETS

- Industrial applications: Robotics, CNC Machines, Tool Interconnection, Heavy Machinery, Medical Equipment, Lab Testing Equipment, Transportation Industry

ECTA Series 544 Connectors

Reference Amphenol Air LB ECTA Series 544 Catalog or consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Circular composite Push-Pull interconnection system developed for industrial applications for which frequent mating/unmating and high vibration performance is critical. Up to 1000 mating cycles with machined contacts. Available for signal and power transmission.	Meets UL 1977, IEC 48B/560/ CD (VDE 0627) spec. Vibration: IEC 60512 (IEC 68-2-6) 10-2000 Hz/10g/10 cycles per axis.	Insert position provides multiple polarization combinations for polarization between connectors. The variety of standard shells include flanged receptacles and cable to cable receptacles. Standard shell sizes: 0.8 inches up to 1.5 inches.	Standard inserts offer a variety of contact arrangements for power and signal applications, incorporating contacts for 5, 10 and 25 Amps. Contacts available in crimp and solder versions with a choice of machined contacts or formed contacts.	Operating temp. from -40°C to +125°C. Environmental up to IP67 B. Withstands a 48 hr. salt spray exposure. Operating voltage: to 1390 VRMS.

OPTIONAL FEATURES

- RJ45 insert and MTRJ fiber optic inserts are available.
- Includes a variety of IP67 backshells.
- Can be ordered cabled and overmolded.
- Inserts can be customized for a variety of arrangements.
- Available with the First Mate/Last Break feature and PCB applications.

MARKETS

- Industrial applications: Robotics, CNC Machines, Tool Interconnection, Heavy Machinery, Medical Equipment, Lab Testing Equipment, Transportation Industry

Quick Connection Modules

Consult Amphenol Air LB Quick Connection Module Catalog or consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Modular quick connection modules mounted on rails for general purpose, signal and power distribution, grounding, printed circuit board/ surface mount. Electronic component carrier module in type 1765. Compact size, high density cabling, great flexibility. Environmental sealing.	Designed for the Aircraft Industry. Meets the NF/ UTE C93-462 spec. Contacts meet NF L53-105, NAS 1748, EN 3155-016, HL 105, HL 103.	Modules are rail mounted, which allows many contacts and size combinations. Modules require a minimum of tools to install.	Incorporate contact sizes 22, 20, 16, 12 and 10 in a wide variety of arrangements.	Operating temp. from -67°F to +347°F. Environmental sealing is provided with an overmolded grommet rated to IP66. Resistance to fluids complies with standards UTE C93-462, MIL-H-5606, MIL-L-7808 referring MIL-C-26482 C, NAS 1748.

OPTIONAL FEATURES

- Modules with inserted electronics components.

MARKETS

- Aerospace Applications: Commercial Aircrafts, Helicopters