

Circular Metal Bayonet (CMB) Connector

CMB

Amphenol® Circular Metal Bayonet connectors are based on our popular PT/MIL-C-26482 Series 1 line of connectors. The CMB packs all the punch of a PT but with a commercial connector price tag. Just like with the PT the CMB offers twice the number of contacts in just half the size of a Standard connector. These miniature connectors are available in several shell styles, each with varying design characteristics and customizable options to provide maximum design flexibility.



Key Features

- ¼ Turn Mating
- Versatility for Power and Signal
- Triple Fully Mated Indicators
- Waterproof to IP67 standard
- Resilient Neoprene Insert and (optional) Grommet
- 7 Shell Styles made from Aluminum Alloy
- 5 different rotation offerings
- Available with Solder, PCB, Coax, Thermocouple
- Contacts may be Plated with Gold or Silver
- Variety of Finishes Available
- 60 Different Insert Arrangements
- Rugged Construction
- Variety of Back End Fittings
- Vibration: 50 g's, 11 ms Half Sine
- Shock: 15 g's from 70 to 500 Hz

Key Benefits

- Quick positive coupling
- Audible, tactile and visual indication of full coupling
- Environmental Applications
- Easily Customized for different environments
 - High Shock and High Vibration
- Easily Adaptable
- Breadth of contact solutions, signal and power
- Better Conductivity where needed
- Suitable for wide temperature range
- RoHS Compliant Versions

Electrical Features

Temperature Range	-55°C to +125°C
Current Rating	7.5 Amps to 23 Amps
Operating Voltage	1000 VAC (RMS) at Sea Level
Shell Size Range	Size 24 to Size 6



Contact Specifications

Contact Size	Test Current	Maximum Millivolt Drop	Solder Well Diameter		Solder Well Depth	
20	7.5	55	.046	+0.004 -.000	.125	+0.031 -.000
16	13	50	.078	+0.005 -.003	.188	+0.031 -.000
12	23	42	.116	+0.004 -.002	.188	+0.031 -.000