

For safety, CGL/CGL-B commercial circular power connectors feature a first-to-mate grounding contact which is securely linked to the connector shell to protect against mishandling; i.e. unmating of the connector under load. CGL series are intermateable with all MIL-C-5015 connectors and all CA and CA-COM series with corresponding size and contact arrangements. CGL-B series are intermateable with VG95234 connectors and VG/CA-Bayonet series with corresponding size and contact arrangements. Fluid resistant elastomers provide maximum protection against degrading fuels, oils, coolants and cleansers.

**Applications:**

- Industrial Automation
- Machine Tools
- Motion Control



For more information: [www.ittcannon.com/cat113](http://www.ittcannon.com/cat113)

**Product Features**

<ul style="list-style-type: none"> <li>• Recognized under the component program of UL Inc. and CSA.</li> <li>• Resilient insulators.</li> </ul>	<p><b>CGL</b></p> <ul style="list-style-type: none"> <li>• Threaded coupling.</li> <li>• Sealed to IP65.</li> </ul>	<p><b>CGL-B</b></p> <ul style="list-style-type: none"> <li>• Bayonet coupling.</li> <li>• Sealed to IP67.</li> </ul>
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**Performance Specifications**

Connector Durability	500 mating cycles min.
Contact Current Rating	245 A max. at 20°C (68°F) <sup>◇</sup>
Contact Resistance	12 mΩ max. <sup>◇</sup>
Contact Retention	30 N min. Test Force <sup>◇</sup>
Contact Termination	Crimp; Solder
Environmentally Sealed	IP65 (CGL); IP67 (CGL-B)
Number of Circuits	Up to 128
Operating Temperature	-55°C to 125°C (-67°F to 257°F)
Polarization	Keyway
Shell Style	Plug, Cable Connecting Plug, Straight Plug, 90° Receptacle, Box Mount Receptacle, Wall Mount
Size or Length	9 sizes
Vibration	200 m/s <sup>2</sup> at 10 to 2000 hrs

**Materials and Finishes**

Description	Material	Finish
Shell	Aluminum Alloy	Nickel
Insulator (Resilient)	Polychloroprene	—
Contact	Copper Alloy	Hard Silver or Nickel and Hard Gold
Sealing Gasket	Neoprene	—

Please contact your local Cannon representative: [www.ittcannon.com/support/ContactUs](http://www.ittcannon.com/support/ContactUs)

◇ Dependant upon contact size.