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

Product Features

- Recognized under the component program of UL Inc. and CSA.
- Resilient insulators.

CGL

- Threaded coupling.
- Sealed to IP65.

CGL-B

- Bayonet coupling.
- Sealed to IP67.

Performance Specifications

Connector Durability	500 mating cycles min.
Contact Current Rating	245 A max. at 20°C (68°F)✧
Contact Resistance	12 mΩ max.✧
Contact Retention	30 N min. Test Force✧
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^2 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

✧ Dependant upon contact size.