The CGKX/KPTA miniature circular connectors feature high contact density in a rugged metal shell design to satisfy the tough requirements of the motor sports industry. High quality manufacturing processes and materials combine to insure the optimum performance and reliability under an extreme range of environmental conditions. They offer exceptional sealing against the ingress of fluids and will withstand the effects of high vibration. In addition, the bayonet coupling design allows for quick and easy mating/unmating.

Applications:

- Black Box
- Industrial
- Military
- Motor Sports



For more information: www.ittcannon.com/cat112

Product Features

- Bayonet coupling assures fast and reliable mating/unmating.
- Lightweight.
- Shock and vibration proof.
- Environmentally sealed.
- High contact density.

Performance Specifications

Connector Durability	500 mating cycles min.
Contact Current Rating	35 A at 20°C (68°F): CGKX✧ 22 A at 20°C (68°F): KPTA✧
Contact Resistance	Up to 14,7 mΩ max.✧
Contact Retention	40 N min.✧
Contact Termination	Crimp; PCB
Coupling	Bayonet
Insulation Resistance	5000 MΩ min.
Number of Circuits	Up to 128
Operating Temperature	–65°C to 175°C (–85°F to 347°F): CGKX –55°C to 125°C (–67°F to 257°F): KPTA
Polarization	5 Keyways
Separating Force	0,2 N min. per contact
Size or Length	9 sizes
Waterproof	0.2 bar pressure within 48 hrs in mated condition
Wire Size	#24 AWG to #12 AWG

Materials and Finishes

Description	CGKX	KPTA
Shell	Aluminum Alloy, Zinc Cobalt, Color: Black	Aluminum Alloy, Nickel or Zinc Cobalt, Color: Black
Insulator	Fluorosilicone	PES
Contact	Copper Alloy, Gold	Copper Alloy, Hard Gold
Seal	Fluorosilicone	—

Please contact your local Cannon representative: www.ittcannon.com/support/ContactUs

✧ Dependant upon contact size.