Miniature circular connector series KPTC and KPTC-NG (New Generation) offer high contact density in a rugged metal shell. They feature environmental sealing with fast and easy mating/unmating with bayonet coupling. A shielded endbell is available for fast assembly. High quality manufacturing processes and materials combine to insure the optimum performance and reliability under an extreme range of environmental conditions. Fluid resistant elastomers provide maximum protection against degrading fuels, oils, coolants and cleansers.

Applications:

- Black Box
- Industrial Automotive
- Motion Control



For more information: www.ittcannon.com/cat117

Product Features

- Lightweight.
- Can be sealed to IP67.
- Shielded and unshielded versions.

Performance Specifications

Connector Durability	500 mating cycles min.
Contact Current Rating	Size 20: 7.5 A at 20°C (68°F) Size 16: 22 A at 20°C (68°F)
Contact Resistance	Size 20: 14,7 mΩ max. Size 16: 3,8 mΩ max.
Contact Retention	Size 20: 40 N min. Test Force Size 16: 100 N min. Test Force
Contact Termination	Crimp; PC Tail; Solder
Coupling	Bayonet (three point)
Current Rating	Size 20: 7.5 A at 20°C (68°F) Size 16: 22 A at 20°C (68°F)
Insulation Resistance	5000 MΩ min.
Number of Circuits	Up to 61 (KPTC); Up to 26 (KPTC-NG)
Polarization	Keyways
Shell Styles	0 - Receptacle, Wall Mount 2 - Receptacle, Box Mount (KPTC only) 6 - Plug, Straight 7 - Receptacle, Jam Nut Mount
Wire Size	Size 20: 0,4 to 0,75 mm^2 Size 16: 1,0 to 2,0 mm^2

Materials and Finishes

Description	Material	Finish
Shell	Aluminum Alloy (KPTC)	Nickel
	Zinc Alloy (KPTC-NG)	Nickel
Insulator	Polychloroprene	—
Contact	Copper Alloy	Hard Gold or Hard Silver
Grommet and Seal	Polychloroprene (KPTC)	—
	ECO (KPTC-NG)	—

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