



Harsh Environment Connectivity Solutions

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## C SERIES PANEL MOUNT

The C Series features a round housing panel mount which has .140" mounting holes requiring #5-40 screws to mount.

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### ELECTRICAL

- Contact Resistance: 50 milliohm maximum, per pole.
- Current Rating: 3 pole – 15A, 4 pole - 10A, 5 and 6 pole – 7.5A, 7 pole – 5A @ 125VAC.
- Insulation Resistance: 1,000 MO, minimum.
- Dielectric Withstanding Voltage: 1,000 V (rms).
- Capacitance: 2 pF between pins and 4 pF between pins and shell, maximum (AA3M and AA3F).

### MECHANICAL

- Insertion/Withdrawal Forces: 7 pound maximum, 5 pound nominal, insertion; 7 pound maximum, 5 pound nominal, withdrawal.
- Wire Size: #12 wire gauge solid; #14 wire gauge stranded (3 contact). #14 wire gauge solid; #16 wire gauge stranded (4 contact). #16 wire gauge solid; #18 wire gauge stranded (5 and 6 contact). #18 wire gauge solid; #20 stranded (7 contact). (Q-G and QGP).

### MATERIAL

#### Q-G CONNECTORS (A AND AA SERIES)

- Shell: Die-cast zinc. Satin nickel finish, black velvet.
- Insert Insulation: Molded thermoplastic.
- Socket Contacts: Silver-plated copper alloy tarnish-resistant; bifurcated on 3-contact type. Gold is available
- Pin Contacts: Silver-plated copper alloy. Resists tarnishing, and provides excellent electrical conductivity. Gold is available.
- Latchlock: High-strength die-cast zinc.
- Latch Release: Steel, nickel-plated.
- Latch Detent: Formed stainless steel.
- Insert Screw: Stainless steel.
- Flex Relief: TPR (thermoplastic rubber).