



Harsh Environment Connectivity Solutions



EN3® Series Panel Mount 2-18 contact

Utilizing an integral O-Ring/gasket, EN3® connectors are available in 2-18 pins/sockets in the same housing size, bayonet locking, cable end, cable-to-cable, panel mount, right angle panel mount, solder, pc, crimp contacts, caps. Meets enclosure rating IP66/IP68 and NEMA 250 when mated or covered.

Materials

- Panel connector shells and contact locking disk: Thermoplastic polymer glass fiber, flame retardant
- Connector shell interior: Thermoplastic rubber
- Contacts: Copper base alloy gold-plated over nickel underplate

Mechanical

- Shock: Mil-Std 202 Method 213B, condition K
- Vibration: Mil-Std 202 Method 201
- Life: 600 insertion/withdrawal cycles (minimum)

Electrical

- Voltage Rating (sea level): Tested at 600 VRMS (2-8 contacts), 250VRMS (9-18 contacts)
- Insulation Resistance: 100 megohms (minimum) at 77° F
- Contact Resistance: 20 milliohms (maximum)
- Current Rating:

13.0A (#16 contact)

7.5A (#20 contact, 2-6 contacts)

6.5A (#20 contact, 7 or 8 contacts)

3.0 Amps (#26 contact)

Environmental

- Temperature Limits: -40°C to +65°C (non-operating)
- Moisture Resistance: Mil-Std 202 Method 106F
- Insulation Resistance: Mil-Std 202 Method 302 condition B
- Thermal Shock: Mil-Std 202 Method 107G
- Salt Spray: Mil-Std 202 Method 101D condition B

Ratings

- IP16/IP18
- IP66/IP68
- NEMA 250 (6P)
- CFR 46 Part 110.20
- UL 94V-O