



Harsh Environment Connectivity Solutions



EN2 Sealed Panel Connector

Utilizing an integral O-Ring/gasket, EN2 connectors are available for 2-3 for #20 pins/sockets, 4 for #22 pins/sockets and 5-7 for #26 pins/sockets in the same housing size, bayonet locking, cable end and panel mount. Meets enclosure rating IP68 and NEMA 250.

Mechanical Specifications

Life: 600 insertion/withdrawal cycles minimum

Vibration: Mil-Std 202G Method 201A

Hex Nut Torque: 5-6 in/lb

Operating Forces: 8 lb maximum insertion

0.25 lb minimum withdrawal

Back Shell Type: Threaded Handle

Electrical Specifications

Voltage Rating: 250 V AC/DC for 2 contact arrangement

125 V AC/DC for 3-7 contact arrangements

Current Rating: Refer to current rating table in New Product Bulletin 601 (look at introduction section above)

Insulation Resistance: 1000 M Ω minimum

Contact Resistance: 10 m Ω maximum

Environmental Specifications

Operating Temperature Limits: -40 $^{\circ}$ C to +85 $^{\circ}$ C (-40 $^{\circ}$ F to +185 $^{\circ}$ F)

Moisture Resistance: Mil-Std 202G Method 106G

Insulation Resistance: Mil-Std 202G Method 302 Condition B

Thermal Shock: Mil-Std 202G Method 107G

Salt Atmosphere (Corrosion): Mil-Std 202G Method 101E Condition B

Weathertight Ratings: IP16, IP18, IP66, IP67, IP68 per IEC60529

NEMA 250 (6P), CFR 46 Part 110.20

Material Specifications

Connector Housing: Thermoplastic, Black

Hex Nut: Thermoplastic, Black

Coupling Ring: Thermoplastic, Black

Cable Clamp: Thermoplastic, Black

Handle (Back-Shell) Thermoplastic, Black

Insulator: Elastomer, Black

Seal Grommet: Elastomer, Black

Contacts: Copper Alloy, Plated