The Cannon DL4 Series of Zero Insertion Force (ZIF) connectors feature: a **minimum** rated life of 20,000 complete mating and unmating cycles with no performance loss; can be mated and unmated in less than two seconds even with as many as 2496 contacts; and they cost less (often as much as 25% less) per mated line than singular, high density rack and panel connectors.

**Applications:**

- Test & Instrumentation



For more information: www.ittcannon.com/cat165

## Product Features

- High pin count:
  624, 1248 or 2496 contact positions.
- Variety of contacts:
  — Crimp
  — Square PCB Post
  — Square Wrap Post
  — Buss
- Metal housing.
- Easy actuation by actuating handle.

## Performance Specifications

| | |
|---|---|
| Connector Durability | 20,000 mating cycles min. |
| Contact Resistance | 15 mΩ max. - Crimp/Square Post Contact<br>20 mΩ max. - Crimp #32 AWG to #30 AWG Contact |
| Contact Retention | 35,585 N (8 lbs) min. |
| Contact Spacing | 2,54 (.100) Square Grid |
| Contact Termination | Buss; Crimp; Square PCB Post; Square Wrap Post |
| Current Rating | 5 A max. - Crimp/Square Post Contact<br>10 A, 20 A, 30 A, 40 A, 50 A, 60 A max. - Buss Contact |
| DWV | 750 V ac rms |
| Insulation Resistance | 5000 MΩ min. |
| Operating Temperature | –55°C to 71°C (–67°F to 159.8°F) |
| Wire Accommodation | #42 AWG to #18 AWG |

## Materials and Finishes

| Description | Material | Finish/Treatment |
|---|---|---|
| DL4 Housing Frame | Aluminum Alloy | Cadmium |
| DL4 Mounting Frame | Aluminum Alloy | Clear Annodized |
| DL4 Insulator | Glass-filled Thermoplastic, UL 94V-1 | Color: Gray |
| Crimp Contact✧ | Copper Alloy | Engaging Area: 50 µ in. Gold over 50 µ in. Nickel<br>Terminating End: Gold Flash |
| Crimp Contact✧ | Copper Alloy | Engaging Area: 20 µ in. Gold over 50 µ in. Nickel<br>Terminating End: Tin-Lead |
| Square Post Contact | Copper Alloy | Engaging Area: 50 µ in. Gold over 50 µ in. Nickel<br>Terminating End: Gold Flash |
| Square Post Contact | Copper Alloy | Engaging Area: 20 µ in. Gold over 50 µ in. Nickel<br>Terminating End: Tin-Lead |
| Insulator Retainer (Plug Only) | Stainless Steel | Passivated |
| Actuating Camshaft (Receptacle Only) | Stainless Steel | Passivated |

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

✧ Order crimp contacts separately.