

Cannon has expanded the DL-ZIF Series offering with the addition of the DLM (Metal Shell) versions. The DLM uses a rugged nickel plated aluminum housing. A Shield-Locking Mechanism feature ensures uniform mating pressure around the perimeter of the mated connector to create an EMI/RFI shield. Facilitates compliance of equipment to CE EMC directives.



Applications:

- Commercial/Industrial Manufacturing
- Entertainment
- Medical
- Telecommunication
- Test & Instrumentation

 For more information: www.ittcannon.com/cat167

Product Features

- High pin count: 60, 96, 156, 260, 360, contact positions.
- Metal housing.
- Variety of contacts:
 - Crimp
 - Square PCB Post
 - Square Wrap Post
 - Buss
 - PC/RC
- Wide range of accessories.
- Easy actuation by actuating handle.

Performance Specifications

| | |
|-----------------------|--|
| Connector Durability | 10,000 mating cycles min. |
| Contact Resistance | 15 mΩ max. - Crimp; PC/RC; Square Post 20 mΩ max. - Crimp #32 AWG to #30 AWG Contact 30 mΩ max. - Crimp #42 AWG to #36 AWG Contact |
| Contact Retention | 35,585 N (8 lbs) min. |
| Contact Spacing | 2,54 (.100) Square Grid |
| Contact Termination | Buss; Crimp; PC/RC; Square PCB Post; Square Wrap Post |
| Current Rating | 5A max. - Crimp/Square Post Contact; 4 A max. - PC/RC Contact 10 A, 20 A, 30 A, 40 A, 50 A, 60 A max. - Buss Contact |
| DWV | 1200 V ac rms - M1-156, M2-96, M3-60 1000 V ac rms - M6-360, M5-260 |
| Insulation Resistance | 5000 MΩ min. |
| Operating Temperature | -55°C to 105°C (-67°F to 221°F) |
| Wire Accommodation | #42 AWG to #20 AWG |

Materials and Finishes

| Description | Material | Finish/Treatment |
|--------------------------------|--------------------------------------|--|
| DLM1/2/3/5/6 Housing | Aluminum Alloy | Nickel |
| DLM1/2/3/5/6 Insulator | Glass-filled Thermoplastic, UL 94V-0 | Color: Black |
| Crimp Contact [†] | Copper Alloy | Engaging Area: 50 μ in. Gold over 50 μ in. Nickel Terminating End: Gold Flash |
| Crimp Contact [†] | Copper Alloy | Engaging Area: 20 μ in. Gold over 50 μ in. Nickel Terminating End: Tin-Lead |
| Square Post Contact | Copper Alloy | Engaging Area: 50 μ in. Gold over 50 μ in. Nickel Terminating End: Gold Flash |
| Square Post Contact | Copper Alloy | Engaging Area: 20 μ in. Gold over 50 μ in. Nickel Terminating End: Gold Flash |
| PC/RC Contact | Copper Alloy | Engaging Area: 20 μ in. Gold over Nickel Terminating End: Tin-Lead |
| Insulator Retainer (Plug Only) | Stainless Steel | Passivated |
| Actuating Camshaft | Stainless Steel | Passivated |

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

† Order crimp contacts separately.