

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](http://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 <sup>†</sup>	Copper Alloy	Engaging Area: 50 μ in. Gold over 50 μ in. Nickel Terminating End: Gold Flash
Crimp Contact <sup>†</sup>	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](http://www.ittcannon.com/support/ContactUs)

† Order crimp contacts separately.