



D100 Series 100kA Surge Protective Device

DITEK's D100 Industrial Surge Protectors are designed to provide protection to AC power systems in the most demanding environments. The D100 Series incorporates individually fused components for maximum performance and protection. Available in a wide range of voltage configurations, the compact D100 is an excellent choice for electrical panel protection.



Product Features

- 100,000 Amps per Phase surge current rating ensures long service life
- Compact size enables close mounting to the protected panel to minimize wire length and maximize performance
- Diagnostic LED provides positive indication of system power and SPD function
- UL96A Lightning Protection Compliant (all models except D100-6003D)
- Available in 7 voltage configurations

Applications

- Branch Panel
- Distribution Panel

Accessories

- Flush Mount Kit, p/n DTK-FMKHD2

Technical Specifications

| | |
|--------------------------------|------------------------------------|
| Voltage Configurations: | See Chart on Page 2 |
| Surge Current Rating: | 100,000A / Phase 50,000A / Mode |
| SCCR: | 100,000A |
| Operating Frequency: | 50/60Hz |

Mechanical Specifications

| | |
|-------------------------------|--|
| Connection Method: | ½" NPT Male Non-metallic Fitting 30-inch 10 AWG Leads |
| Housing: | NEMA 4X Polycarbonate |
| Operating Temperature: | 32°F – 104°F (0°C – 40°C) |
| Maximum Humidity: | 95% non-condensing |
| Dimensions: | 4.72" L X 4.72" W x 2.36" H (120 mm x 120 mm x 60 mm) |
| Weight: | 2 lb (0.9 kg) |

Quality Standards & Approvals

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|------------------------|--|
| Certifications: | UL1449 4 th Edition CSA C22.2 No. 269.1-14 |
| SPD Type: | Type 1 |
| Warranty: | 10 Year Limited Warranty |





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| Part Number | Service Voltage | Service Configuration | MCOV | UL In Rating | Voltage Protection Rating (VPR) | | | |
|-----------------------|--|---|------------------------|--------------|---------------------------------|-------------------------|-----------------------|-------|
| | | | | | L-G | L-L | L-N | N-G |
| D100-120/2401 | 120/240VAC | Split Φ (3W + G) | 150V/300V | 20kA | 600V | 1000V | 600V | 900V |
| D100-120/2083Y | 120/208VAC 127/220VAC | Three Φ Wye (4W + G) | 150V/300V | 20kA | 600V | 1000V | 600V | 900V |
| D100-120/240HL | 120/240VAC | Three Φ High Leg Delta (4W + G) | 150V/300V 320V/470V | 20kA | 600V HL-G 1200V | 1,000V HL-L 1800V | 600V HL-N 1000V | 900V |
| D100-277/4803Y | 277/480VAC 220/380VAC 230/400VAC 240/415VAC | Three Φ Wye (4W + G) | 320V/640V | 20kA | 1200V | 1800V | 1000V | 1800V |
| D100-2403D | 240VAC | Three Φ Delta (3W + G) | 320V/640V | 20kA | 1200V | 1800V | N/A | N/A |
| D100-4803D | 480VAC | Three Φ Delta (3W + G) | 550V/1100V | 20kA | 1800V | 4000V | N/A | N/A |
| D100-6003D | 600VAC | Three Φ Delta (3W + G) | 840V/1680V | 10kA | 2500V | 5000V | N/A | N/A |

