



DTK-DL Series Light Pole Surge Protectors 120VAC – 480VAC

DITEK's DL Series of Light Pole surge protectors are designed to meet stringent D.O.T. standards to protect outdoor lighting. These series-connected surge protectors provide optimum protection for high mast lights, highway lighting, LED lighting, standard street lights, and parking lot light poles.



Product Features

- Waterproof construction allows use in outdoor environments
- Oversized #6 AWG ground wire provides optimum surge current dissipations
- Compact size to fit most light pole bases
- Available in six voltage configurations
- Series-connected for maximum protection

Applications

- LED public lights
- High mast lights
- Highway lighting
- Standard street lights
- Parking lot light poles

Accessories

- DIN Rail Mounting Kit, p/n DTK-DRK

Technical Specifications

| | |
|---------------------------------|-----------------------------------|
| Service Voltage: | See Chart on Page 2 |
| Protection Modes: | See Chart on Page 2 |
| Surge Current Rating: | 50,000A / Phase 25,000A / Mode |
| Max. Continuous Current: | 30A |
| Operating Frequency: | 50/60Hz |

Mechanical Specifications

| | |
|-------------------------------|---|
| Connection Method: | Hardwired in series 10 AWG Line and Neutral In/Out 6 AWG Ground |
| Housing: | UL94V0 ABS |
| Operating Temperature: | -40°F – 185°F (-40°C – 85°C) |
| Maximum Humidity: | 95% non-condensing |
| Dimensions: | 4.0" H X 2.1" W x 1.5" D (120 mm x 53 mm x 38 mm) |
| Weight: | 2.44 lb (1.1 kg) |

Quality Standards & Approvals

| | |
|------------------------------|--------------------------------|
| Standards Compliance: | IEEE C62.41.1 – 2, IEEE C62.45 |
| Warranty: | 10 Year Limited Warranty |

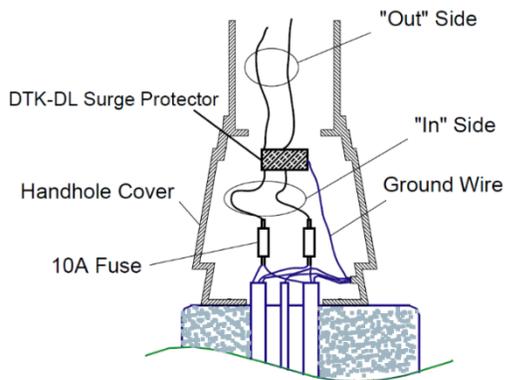




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| Part Number | Service Voltage | Service Configuration | Clamping Voltage | MCOV | Protection Modes |
|----------------|------------------|-------------------------|------------------|-----------|------------------|
| DTK-DL120 | 120VAC | Single Ø (2W + G) | 395V | 150V | L-G, L-N, N-G |
| DTK-DL120/240 | 120/240VAC | Single Ø (2W + G) | 395/790V | 150V/300V | L-G, L-L |
| DTK-DL2401 | 240VAC 277VAC | Single Ø (2W + G) | 790V | 300V | L-G, L-N, N-G |
| DTK-DL240/480 | 240/480VAC | Single Ø (2W + G) | 790/1390V | 300/600V | L-G, L-L |
| DTK-DL277/4803 | 277/480VAC | Three Ø Wye (4W + G) | 790/1390V | 320/640V | L-G, L-L |
| DTK-DL480 | 480VAC | Single Ø (2W + G) | 1140V | 510V | L-G, L-N, N-G |

Installation Diagram



Dimensions Diagram

