

DTK-DL Series

Single Phase and Three Phase Surge Arrestors, 120VAC – 480VAC



Product Features

- Waterproof construction allows use in outdoor environments
- Oversized #6 AWG ground wire provide optimum surge current dissipations
- Compact size to fit most light pole bases
- Available in eight voltage configurations
- DOT certified (DTK-DL480)
- Series connected for maximum protection

Application

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

Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

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

Technical Specifications

| | |
|---------------------------------|--|
| Service Voltage: | Single, split & three phase configurations. See Chart |
| Protection Modes: | See Chart |
| Surge Current Rating: | 50,000 Amps per phase, 25,000 Amps per mode |
| Max. Continuous Current: | 30 Amps |
| Operation Frequency: | 40Hz – 400Hz |

Mechanical Characteristics

| | |
|-------------------------------|--|
| Connection Method: | Series Configuration |
| 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 (102mm x 53mm x 38mm) |
| Weight: | 2.44 lb. (1.1kg) |

Quality, Standards & Approval

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

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

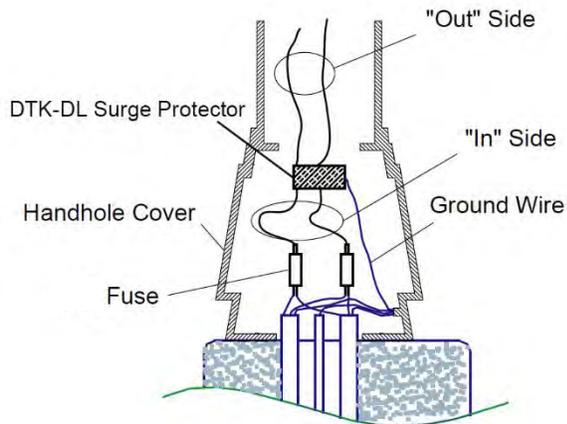
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| Part Number | Service Voltage | Service Configuration | Clamping Voltage | MCOV | Protection Modes |
|-----------------------|------------------|-------------------------|------------------|----------|------------------|
| DTK-DL120 | 120VAC | Single Ø (2W + G) | 395V | 150V | L-G, L-N, N-G |
| DTK-DL120/240 | 120/240VAC | Single Ø (2W + G) | 395/790V | 150/300V | 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 | 300/510V | 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

