



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

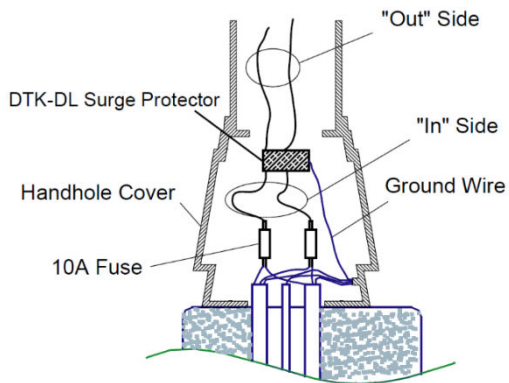




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Part Number	Service Voltage	Service Configuration	Clamping Voltage	MCOV	Protection Modes
DTK-DL120	120VAC	Single Ø (2W + G)	395V	150V	L-G, L-N, N-G
DTK-DL120/240	120/240VAC	Single Ø (2W + G)	395/790V	150V/300V	L-G, L-L
DTK-DL2401	240VAC 277VAC	Single 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

