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INSTALLATION INSTRUCTIONS, MCG MODEL: DLP-25 Series

CAUTION: NEVER INSTALL PROTECTOR DURING A LIGHTNING STORM.

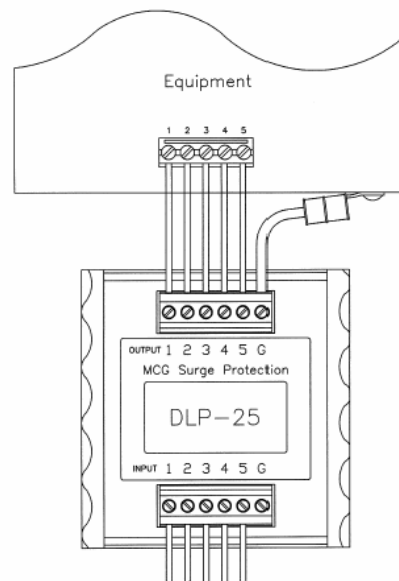
IMPORTANT: Make sure that the maximum peak or DC voltage to Ground does not exceed the maximum allowable system voltages show in Table 1.

Step 1) Protector Location and Grounding

1. Remove power to all signal lines before wiring protector.
2. Mount protector to DIN rail such that its "OUTPUT" terminal block is as close as possible to the protected equipment terminal block to keep wire lengths to a minimum.
3. Ground protector to equipment using a minimum 14 AWG wire no longer than 6 inches (15 cm). Connect ground wire to position six on "OUTPUT" terminal block. Connect other end of ground wire to chassis of protected equipment.

Step 2) Connect Signal Lines

1. Connect input lines to the "INPUT" side of protector. The recommended strip length for the DLP-25 is 0.315" (8mm).
2. Now connect the protector's "Output" terminal block to the equipment using the same wiring pattern that was used on the "Input" side of the protector. Be careful not to cross wires as equipment damage or improper operation may occur.



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Table 1

Model Name (Light Duty)	Model Name (Std. Duty)	Model Name (Heavy Duty)	Maximum Applied Voltage, Line – Ground (DC or peak)
DLP-25-6V	DLP-25-6V2	DLP-25-6V5	6.9
DLP-25-12V	DLP-25-12V2	DLP-25-12V5	16
DLP-25-25V	DLP-25-25V2	DLP-25-25V5	30
DLP-25-36V	DLP-25-36V2	DLP-25-36V5	39
DLP-25-55V	DLP-25-55V2	DLP-25-55V5	57
DLP-25-100V	DLP-25-100V2	DLP-25-100V5	113
DLP-25-150V	DLP-25-150V2	DLP-25-150V5	161
DLP-25-180V	DLP-25-180V2	DLP-25-180V5	188

Specifications

Number of Protected Circuits: 5

Protection modes: L-L, L-G

Connection: Series connected. Note: Light duty models may be shunt connected

Rated Voltage: Various (See table 1)

Certification: UL497B Listed

Series Resistance per circuit: 5.6 Ohms (heavy duty models)

2.4 Ohms (standard duty models)

0 Ohms (light duty models)

Rated System Current per circuit: 350 mADC Maximum (standard/heavy duty models)

5 ADC (light duty models, series connected)

Unlimited (light duty models, shunt connected)

Surge Capacity per Circuit, Light Duty Model: 5,000 Watts (10x1000 microsecond)

Surge Capacity per Circuit, Standard Duty Model: 10 kA (8x20 microsecond)

Surge Capacity per Circuit, Heavy Duty Model: 20 kA, (8x20 microsecond)

Temperature (Operating/Storage): -55°C to 65°C / -55°C to 75°C, 0% to 95% non-condensing RH

Protection Type: Bidirectional

Connection: Screw Terminals: (Stripping length 0.315"/8mm)

Wire Gauge Range: 22 – 12 AWG

Dimensions, Protector, Overall: 2.95"L x 2.83"W x 1.86"D (74.9mm L x 71.9mm W x 47.3mm D)

Dimensions, DIN Rail section (provided): 3.0"L

Mounting: DIN Rail mount (DIN 35mm type)

Enclosure: aluminum

Warranty: 10 years

299-601-04 Rev. -