

Data Line Protection

MODEL

DLP-10H • 20H • 30H

Protects 4-20mA loops, I/O Ports, Sensors

The DLP H series provides superior surge protection for data and signal line applications. Using higher capacity components, these units offer an improved level of reliability than other similarly priced products. To cover a broader range of applications, four different styles of protection circuits and ten standard voltages are offered to fine tune the protection to your equipment. •2, 4, or 8 protected wires •Hybrid or high power silicon avalanche diode technology •Standard Duty or Heavy Duty Capability •DIN rail mountable option •Low profile enclosure •UL497B Listed •20-year Warranty

SPECS

All Models

Response Time: <1ns
Attenuation: <1dB @ 10 MHz
Terminal Blocks: Barrier Type
Connection: 6-32 Screw Terminals
Wire Size Range: 12-24 AWG
Maximum Screw Torque: 10 lb. in.
Enclosure: High Impact Plastic
Certification: UL497B Listed

Hybrid Models (per circuit ratings):

Ipk, Standard Duty: 10kA (8x20 microsecond)
Ipk, Heavy Duty Models: 20kA (8x20 microsecond)
Series Resistance: 5 Ohms
Current, Continuous: 350mA Maximum

Silicon Avalanche Diode Models (per circuit ratings):

Peak Power, Standard Duty: 10kW (10x1000 microsecond)
Peak Power, Heavy Duty: 60kW (10x1000 microsecond)
Series Resistance: 0 Ohms
Current, Continuous: 10A Maximum (Series Connected)
Current, Continuous: Unlimited (Parallel Connected)

Dimensions, LxWxD (models w/o "-DIN" option):

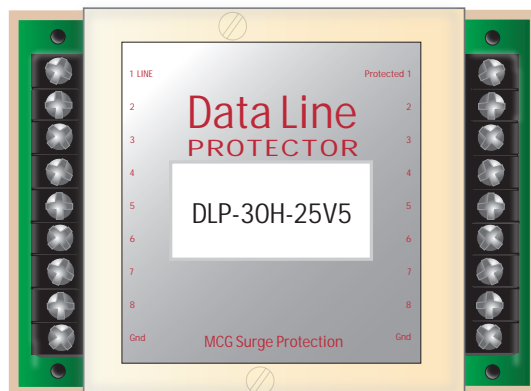
DLP-10H/HH models: 5.0" x 2.1" x 1.1" (127 x 54 x 28mm)
DLP-20H/HH models: 5.0" x 2.8" x 1.1" (127 x 72 x 28mm)
DLP-30H/HH models: 5.0" x 4.4" x 1.1" (127 x 112 x 28mm)

Dimensions, LxWxD (models w/ "-DIN" option):

DLP-10H/HH models: 5.0" x 2.1" x 1.9" (127 x 54 x 49mm)
DLP-20H/HH models: 5.0" x 2.8" x 1.9" (127 x 72 x 49mm)
DLP-30H/HH models: 5.0" x 4.4" x 1.9" (127 x 112 x 49mm)
Overall Mounting Depth (w/ DIN 35 Top Hat Style Rail): 1.96" (50mm)

Mounting Dimensions (models w/o "-DIN" option):

DLP-10H/HH models: 4.2"x1.50"/0.185" ID (107 x 38mm/4.7mm ID)
DLP-20H/HH models: 4.2"x2.25"/0.185" ID (107 x 57mm/4.7mm ID)
DLP-30H/HH models: 4.2"x3.75"/0.185" ID (107 x 95mm/4.7mm ID)



How to Order

DLP - xxHx - xxxVx - xxx

1 2 3 4

1st Field: DLP = DLP model family.

2nd Field: xxHx represents the style (# of wires protected and the protection capacity).

10H=2 Wire, standard duty; 10HH=2 Wire, heavy duty
20H=4 Wire, standard duty; 20HH=4 Wire, heavy duty
30H=8 Wire, standard duty; 30HH=8 Wire, heavy duty

3rd Field: xxxVx represents the voltage of the protector and series resistance.

Hybrid models: 6V5, 8V5, 12V5, 15V5, 25V5, 36V5, 55V5, 100V5, 150V5, 180V5*

Silicon avalanche diode models: 6V0, 8V0, 12V0, 15V0, 25V0, 36V0, 55V0, 100V0, 150V0, 180V0**

4th Field: xxx represents whether or not the DIN rail option is present.

"DIN" means protector will include the DIN rail mount feature.

A blank field means protector will not include the DIN rail mount option.

Ordering Example: DLP-20HH-25V5. This is a 4 wire, heavy-duty, 25 volt, hybrid protector.

*Hybrid models use gas tubes, resistors, and silicon avalanche diodes in the protection circuit.

** Silicon avalanche diode models do not employ series resistors or gas tubes.

