

# M-Ti HLP Series

## Highway Lighting Protection Surge Protection Device



The HLP Series is a Type 4 SPD designed to protect equipment from surges.

### Features include:

- Listed to ANSI/UL 1449
- Solid State 20mm MOV Design
- Line-to-Ground Protection
- LED Status Diagnostics
- Weather Resistant
- No Follow Current

### Applications

Traffic Signals, Highway Lighting, Parking Lighting, Interior Lighting, Security Systems, Fire Alarms.

### Product Specifications

	HLP020-120-3L-0-AS1006	HLP020-240-3L-0-AS1006	HLP020-480-3L-0-AS1006
Operating Voltage	120 Volt	150 Volt	-----
MCOV	150 Volt	275 VAC	550 VAC
Continuous Current	20 A	20 A	20 A
Max Surge Current	20kA (40kA available)	20kA (40kA available)	20kA (40kA available)
Clamp Voltage VPR	L-G 700, N-G 700, L-N 1200	L-G 1000, N-G 1000, L-N 1800	L-G 1800, N-G 1800, L-N 3000
I <sub>n</sub> (nominal discharge current)	3kA	3kA	3kA
SCCR	5kA	5kA	5kA
Surge Technology	MOV	MOV	MOV
Response Time	5 nanoseconds	5 nanoseconds	5 nanoseconds

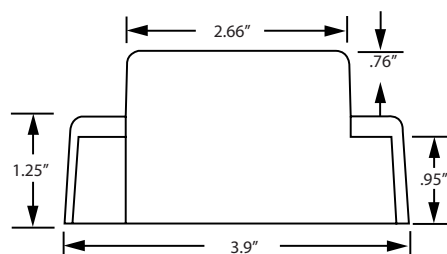
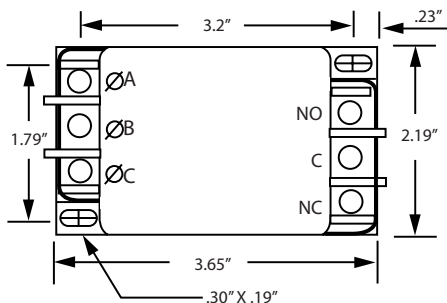
### Options:

- Replace 020 with 040 for 40kA Surge Rating
- Replace S with P for Parallel Connection
- Replace 06 with GL for Ground Lug
- Replace 1006 with TB for Terminal Block Connection
- Replace 1006 with 1414 for 14 AWG Wire and Ground
- Replace 1006 with 1410 for 14 AWG Wire and 10 AWG Ground
- Replace 1006 with 1406 for 14 AWG Wire and 6 AWG Ground
- Replace 1006 with 1010 for 10 AWG Wire and 10 AWG Ground
- Replace -0- with -F- for Internal Fusing (Type 1 locations)\*

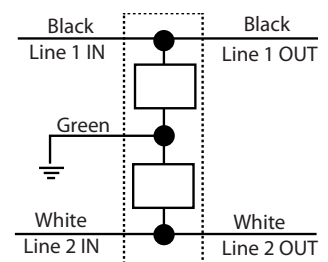
Length	Gauge	Color	Connection
22"	6	Green	Ground
12"	10	Black	Line 1 (Hot)
12"	10	White	Line 2 (Hot)

\*Fusing does not disconnect load

### Dimensions (Diagrams not drawn to scale)



### Typical Installations



All product dimensions provided are ± 0.125

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