

Highway Lighting Protection Device

HLP SERIES

The HLP Series is a Type 4 SPD designed to protect equipment from surges. The products features include:

- Listed to ANSI/UL 1449 3rd Edition
- 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



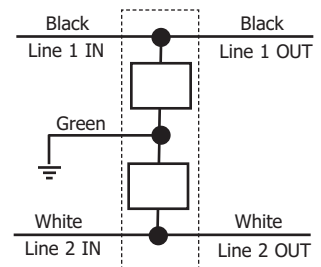
| Product Specifications | HLP020-120-3L-0-AS1006 | HLP020-240-3L-0-AS1006 | HLP020-480-3L-0-AS1006 |
|------------------------|--------------------------------|----------------------------------|----------------------------------|
| Operating Voltage | 120V | 240V | 480V |
| MCOV | 150 VAC | 275 VAC | 550 VAC |
| Continuous Current | 20A | 20A | 20A |
| 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 |
| SCCR | 5kA | 5kA | 5kA |
| I _n | 3kA | 3kA | 3kA |
| Insulation to Ground | 600 volts | 600 volts | > 600 volts |
| Surge Technology | MOV | MOV | MOV |
| Response Time | 5 nanoseconds | 5 nanoseconds | 5 nanoseconds |

Options:

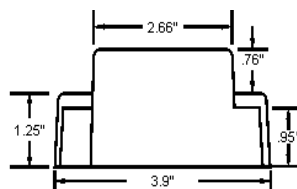
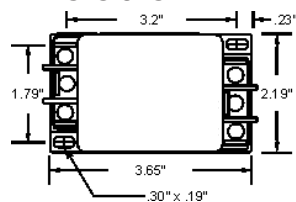
- Replace **020** with **040** for 40kA Surge Rating
- Replace **S** with **P** for Parallel Connection
- Replace **06** with **GL** for Ground Lug
- Replace **1006** with **TB** for Terminal Block Connection
- Replace **-0-** with **-F-** for Internal Fusing (Type 1 locations)*
- Additional case colors available

*Fusing does not disconnect load

Schematic



Dimensions



Standard Wiring (Series)

| Length | Gauge | Color | Connection |
|--------|-------|-------|----------------------|
| 22" | 6 | Green | Ground |
| 12" | 10 | Black | Line 1 (HOT) |
| 12" | 10 | White | Line 2 (HOT)/Neutral |

6, 10 and 14 Gauge Wire Configurations Available



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