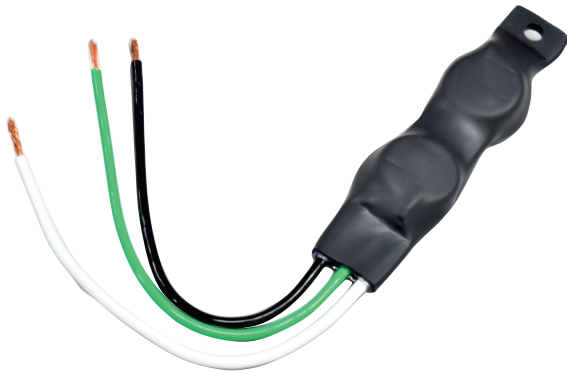


P T5



Description

Surge Protective Device (SPD), type 5, with protection technology based on Metal Oxide Varistor (MOV), suitable for LED luminaries connected exclusively to the power supply.

Characteristics

- Withstands voltage pulses up to 10 kV @ 1.2/50 μ s according to IEEE std C62.41;
- Withstands current surges up to 20 kA @ 8/20 μ s;
- Connection in parallel with the load;
- Compact design;
- UL Recognized Component (UL 1449, UL 935, UL 1029);
- Meets ANSI C82.77-5 2017: Category C Medium;
- RoHS compliant.

Applications

Protection of LED lighting systems applied in highways, public roads, tunnels, garages and parking lots.

OCP	Norma	N° Certificado
UL	UL 1449	E514682

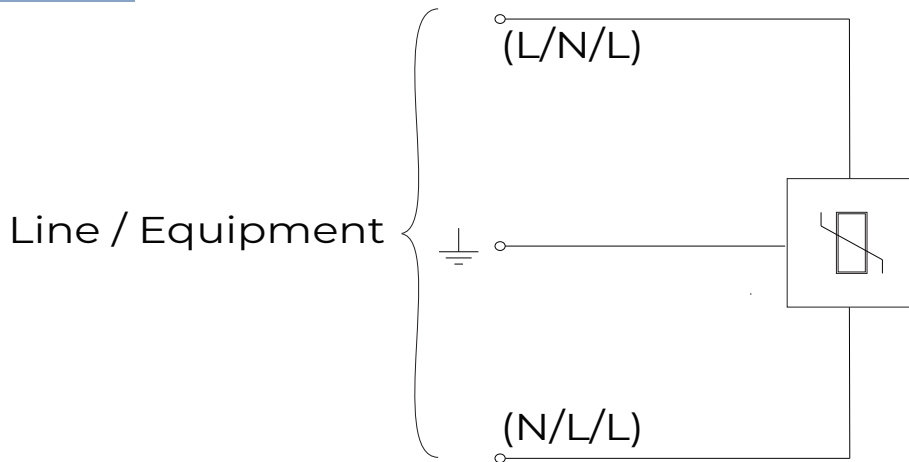
Technical characteristics	Unity	CLAMPER Light
Part number	-	017112
RoHS	-	Yes
Applied standard	-	UL 1449
Protection technology	-	Metal Oxide Varistor (MOV)
Protection modes	-	L/N (differential mode); L/G - N/G (common mode)
Typical response time	ns	< 25
Nominal operating voltage	V _{CA}	120 - 277 (47 - 63 Hz)
Operating frequency	Hz	60
Nominal discharge current @ 8/20 μ s - I _n	kA	5
Maximum discharge current @ 8/20 μ s - I _{máx}	kA	12
Maximum continuous operating voltage - MCOV	V _{CA}	320
Measured limiting voltage (8/20 μ s @ I _n) - MLV	V	L/N < 1540 L/G < 1540 N/G < 1540
Clamping voltage (8/20 μ s @ I _n)	V	L/N < 1200 L/G < 1400 N/G < 1400
Installation scheme	-	In parallel with the load
Electrical connection	AWG	Flexible cables # 16
Cables length	mm (in)	150 (5.9)
Operating temperature	°C	-40 the +85
Enclosure	-	Material with non-propagation and self-extinguishing characteristics
Weight	g (lb)	50 (0.11)
Maximum dimensions	mm (in)	105 (4.13) x 26 (1.02) x 15 (0.59) (L x W x H)

CLAMPER Light MOV 277V 10kV

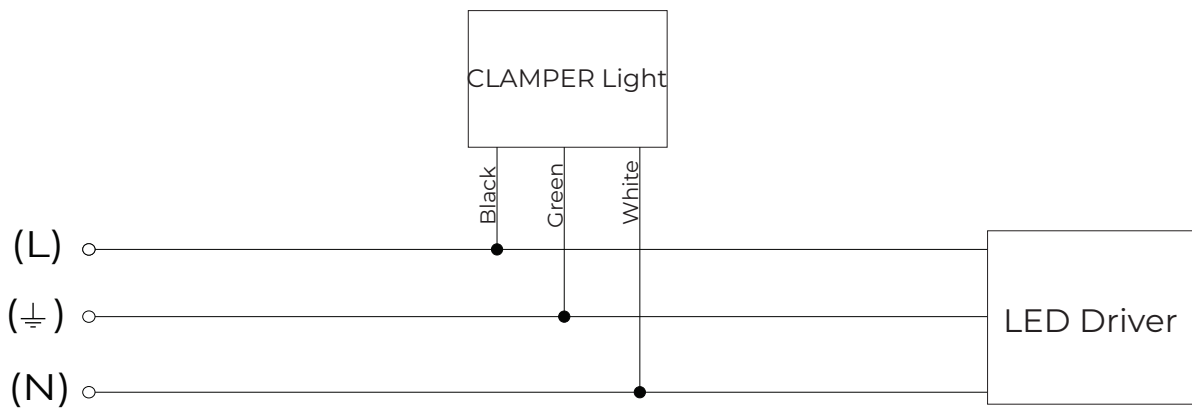


P T5

Electric diagram:



Connection diagram:



Mechanical drawing:

