

PRODUCT DATASHEET

LVED SPD 10KV/100-277V

LED SURGE PROTECTOR DEVICE



AREAS OF APPLICATION

- Surge protector device
- Uoc: 10KV
- Suitable for Class

PRODUCT BENEFITS

- Long lifetime and high working temperature
- Failure indication LED
- Low maintenance costs thanks to easy replacement

PRODUCT FEATURES

- Suitable for luminaires of protection class I
- High surge protection of up to 10 kV / 10 kA
- Maximize the lifetime of outdoor lighting applications
- Fully comply with IEC 61643-11
- Push-in terminal
- Operating frequency: 50/60 Hz
- Compact design
- Type of protection IP20

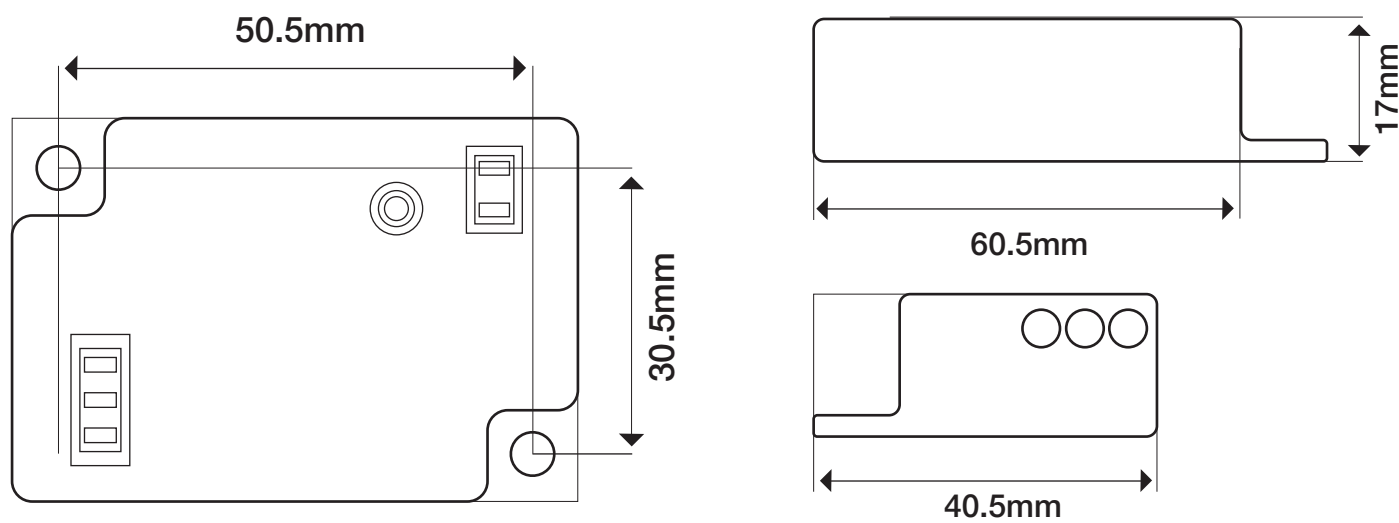
TECHNICAL DATA

Electrical data

Max.Continuous Operating Voltage	305V
Nominal frequency	50/60 Hz
Temporary Overvoltage	402.6V (LV system fault 305Vx1.32 at tt=5s , TN)
Temporary Overvoltage	528V (LV system fault 305Vx√3 at tt=120m , TN)
Nominal discharge current	5kA (@Uoc=10kV; internal resistance=20)
Max. voltage protection level at In	1,5kV (@Uoc=10kV; internal resistance=20)
Max. voltage protection level at In	2kV (@Uoc=10kV; internal resistance=20)
Open-circuit voltage	10kV
Backup fuse	16A (max.,gG fuse)
End of life indication	Min : 47Hz, Max:63Hz, Type :50/60Hz
Max earth leakage current at Uc	Yes (Optical , light ON:SPD Is functional Light OFF:SPD has reached end-of-life)
IP protection level	IP20
Lifetime	100,000hours (Measured@Tcase-max with min 90% survival)
Surge withstand capability	1 strikes (max. at 10KA)
	20 strikes (max. at 5KA)
	50 strikes (max. at 3KA)
Nominal current	5A (Rated load current at 50 ... 60Hz)
Power consumption	0,5W (max. at Uc=305VAC; Load current=5A)
Suitable For Luminaires	Class I (IEC60598)
IC 8/20μs	5KA
Differential mode U2	≤1500V
Common mode U1/U2	≤2000V / 1000V
Common mode U1/U2	≤2000V / 1000V
Ambient temperature	-20...+70 °C (Measured atTc-point)
Tease-max	+80 °C (Measured atTc-point)
Storage temperature	-20...+85 °C (Measured atTc-point)
Relative humidity	5 ... 95% (Non-condensing)
Suitable for outdoor luminaires	Yes (Outdoor with additional protection)

TECHNICAL DATA

Graphs



Dimensions

Lenght	60.5 mm
Width	30.5 mm
Height	17.0 mm

Certificates & Standards

Approval marks – approval	CE,ENEC,RoHS
Standards	
Type of protection	IP20



LOGISTICAL DATA**Graphs**

Product Code	Packaging unit (Pieces/ Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075614857	Folding carton box 1			
4058075614864	Shipping carton box 120	...x...x... mm	 kg	24.58dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.