

## LED LIGHTING SURGE PROTECTION DEVICE

### General Description

PL270AC-05 is a surge protection device to provide AC Power Line surge protection capability. It designed by MOV/GDT network to guarantee the safety of your device.

### Features

- ◆ L-N Protection
- ◆ L/N-PE Protection
- ◆ LED Lighting Application
- ◆ IEC 61643-11
- ◆ IEC 61000-4-5



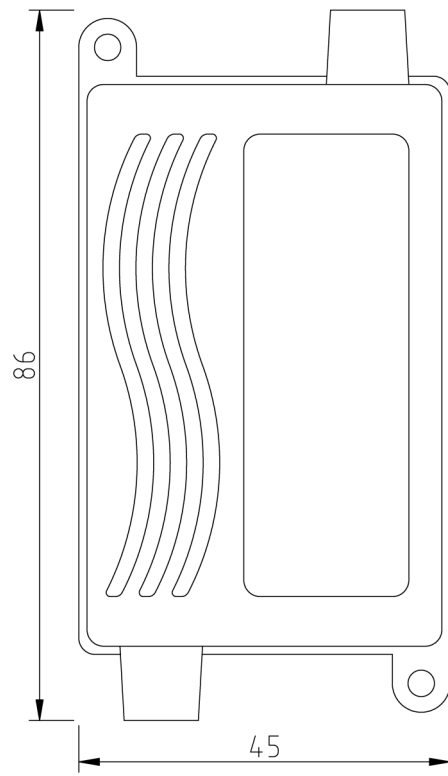
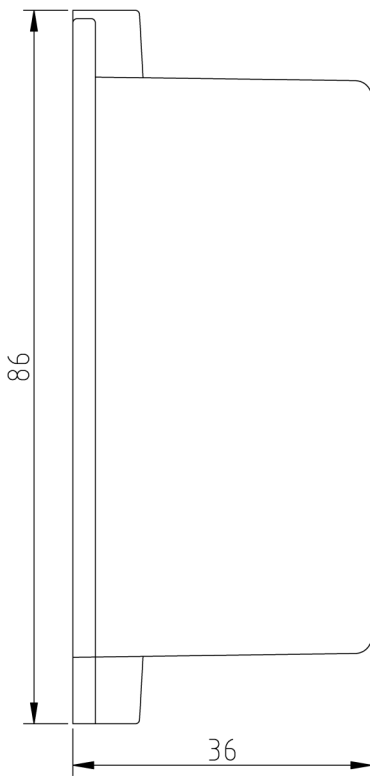
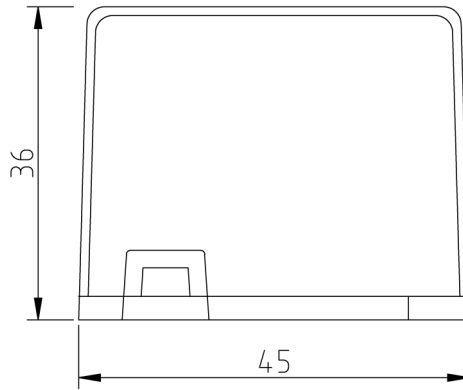
Fig.1 Connection Configuration

### Electrical Characteristics

Parameter	Symbol	Value	Units
Nominal Discharge Current (8/20us)	$I_N$	5	KA
Maximum Operation AC Voltage	-	270	VAC
Maximum Operation DC Voltage	-	390	VDC
L-N Protection Level	$U_{PLN}$	1.5	KV
L/N-PE Protection Level	$U_{PE}$	2.5	KV
Max Discharge Current	$I_{MAX}$	10	KA
Response Time	-	10	ns
Operation Temperature	$T_j$	-40~85	°C

**DEVICE OUTLINE**

Unit : mm



Revision History	Modification Description
Rev.1.00	Initial Release