

- Specially designed for lightning protection in AC power circuits, offering excellent protection performance
- Absorbs abnormal surge voltages caused by lightning strikes, protecting equipment and reducing damage.
- Built-in EMI power filter to reduce electromagnetic interference (EMI).
- Suitable for in-panel installation with screw-type mounting.
- This surge protector is of self-recovery type with equipotential grounding, limited to 20KA (8x20μS).
- Designed for protection of electronic equipment or instruments with power consumption below 15A/20A.
- Utilizes a three-stage protection system combining gas discharge tubes, filter circuits, and surge absorbers.
- Adopts a combined protection method of energy absorption and grounding.

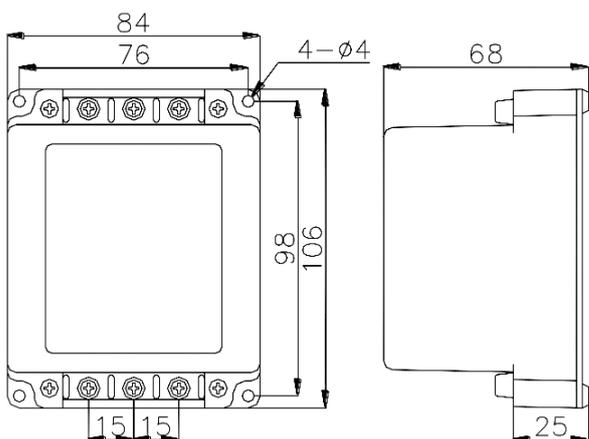


**SPECIFICATIONS**

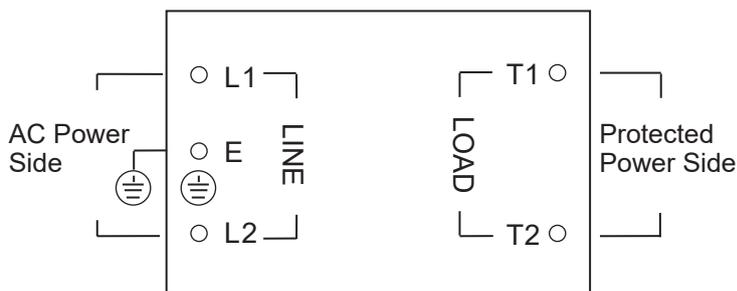
BLZR-P1C/ BLZR-P2C/ BLZR-P3

- ◆ Discharge Start Voltage : Line-to-line: >190V/ >410V/ >600V  
Line-to-ground: >500 V/ >600V
- ◆ Surge Discharge Withstand Current : 20KA (8x20μS)
- ◆ Surge Withstand Voltage : 15 KV (1x40/ 1.2x50μS)
- ◆ Response Time : ≤0.1μS
- ◆ Leakage Current : Line-to-line: <1mA(at 150Vdc)/ <1mA(at 300Vdc)/ <5μA(at 600Vdc)  
Line-to-ground: <1mA(at 300 Vdc)/ <5μA(at 600Vdc)
- ◆ Internal Voltage Drop : <2V
- ◆ Maximum Load Current : 20A
- ◆ Enclosure Material : ABS (Black)
- ◆ Operating Environment : -20~60 °C , 0~95% RH
- ◆ Clamping Voltage (Up) : ≤2.5KV
- ◆ Maximum Discharge Current : 40KA(8x20μS)

**DIMENSIONS (mm)**



**WIRING DIAGRAM**



**ORDER INFORMATION**

**BLZR-P-** Code1

Code1 AC Power	
1	AC 110V/ 10A (50/60 Hz)
2	AC 220V/ 250V/ 10A (50/60 Hz)
3	AC 380V/ 15A (50/60 Hz)
1C	AC 110V/ 20A (50/60 Hz)
2C	AC 220V/ 250V/ 20A (50/60 Hz)
O	Option

**GROUNDING INSTRUCTIONS**

The grounding terminal "E" must be connected to the ground. The grounding resistance should be less than 100Ω to ensure that surge voltages caused by lightning can be quickly discharged into the ground. In general, the lower the grounding resistance, the better the protection performance. Additionally, the chassis ground of the protected equipment should be connected to the surge protector's grounding terminal "E".