

Boarden Surge Protective Devices**简介 Descriptions**

Due to complicate power supply environment and high risk of lightning/surge damage, the ordinary SPD protection needs to improve performance ensure the life and reliability of outdoor/industrial lighting products. In order to develop the SPD that meets lightning protection for most of LED, including linear driver LED, Boarden electronic customized key components, carefully designed lightning protection solutions, and have developed a series of new SPD with low protection voltage, small size and easy installation.

特征 Features

- Modes of Protection: L - N, L/N - PE
- Typical Clamping Voltage: 1000V
- Surge Level 10KV
- Maximum Operating Ambient Temperature: 100°C
- Ingress Protection Level: IP67
- Test Standard: IEC61643-11:2011, EN61643-11:2012, GB/T18802.1-2011
- TUV Rheinland: R50420117
- CQC: CQC19123220244

应用 Applications

- Power System of Outdoor Lighting
- Power System of Monitoring
- Power System of Air Conditioning
- Power System of Computer Room
- Power System of Telecom

技术参数 Specifications

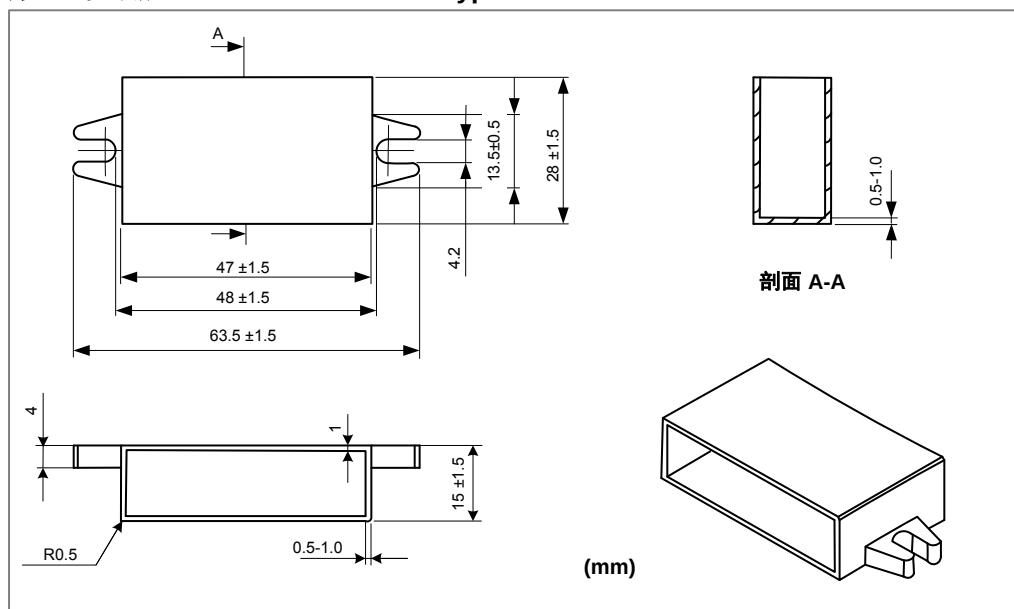
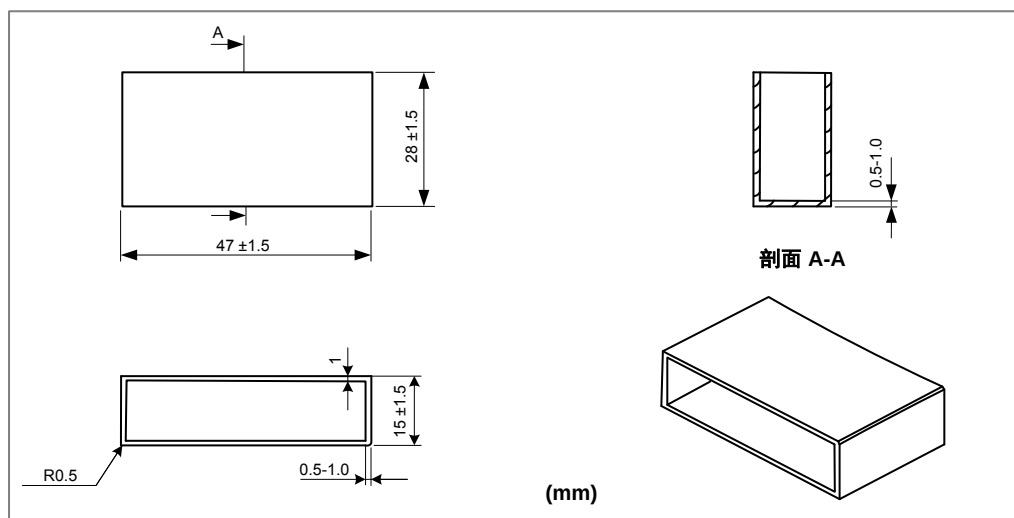
Parameter	Symbol	Condition	Value	Unit
Nominal AC voltage	U_0	50-60Hz AC	220	V
Maximum continuous operating voltage (L-N, L-PE)	U_c	50-60Hz AC	320	V
Open Circuit Voltage (1.2/50 μ s & 8/20 μ s)	U_{oc}	$t_p = 1.2/50\mu s$	10	kV
Voltage protection level (@10kV)	U_p	L-N	1300	V
		L/N-PE	2000	
Rated load current ¹⁾	I_L		7	A
External Overcurrent Protection ²⁾			10	A
Operating Ambient Temperature			-40 ~ +100	°C
Storage Temperature			-40 ~ +100	°C

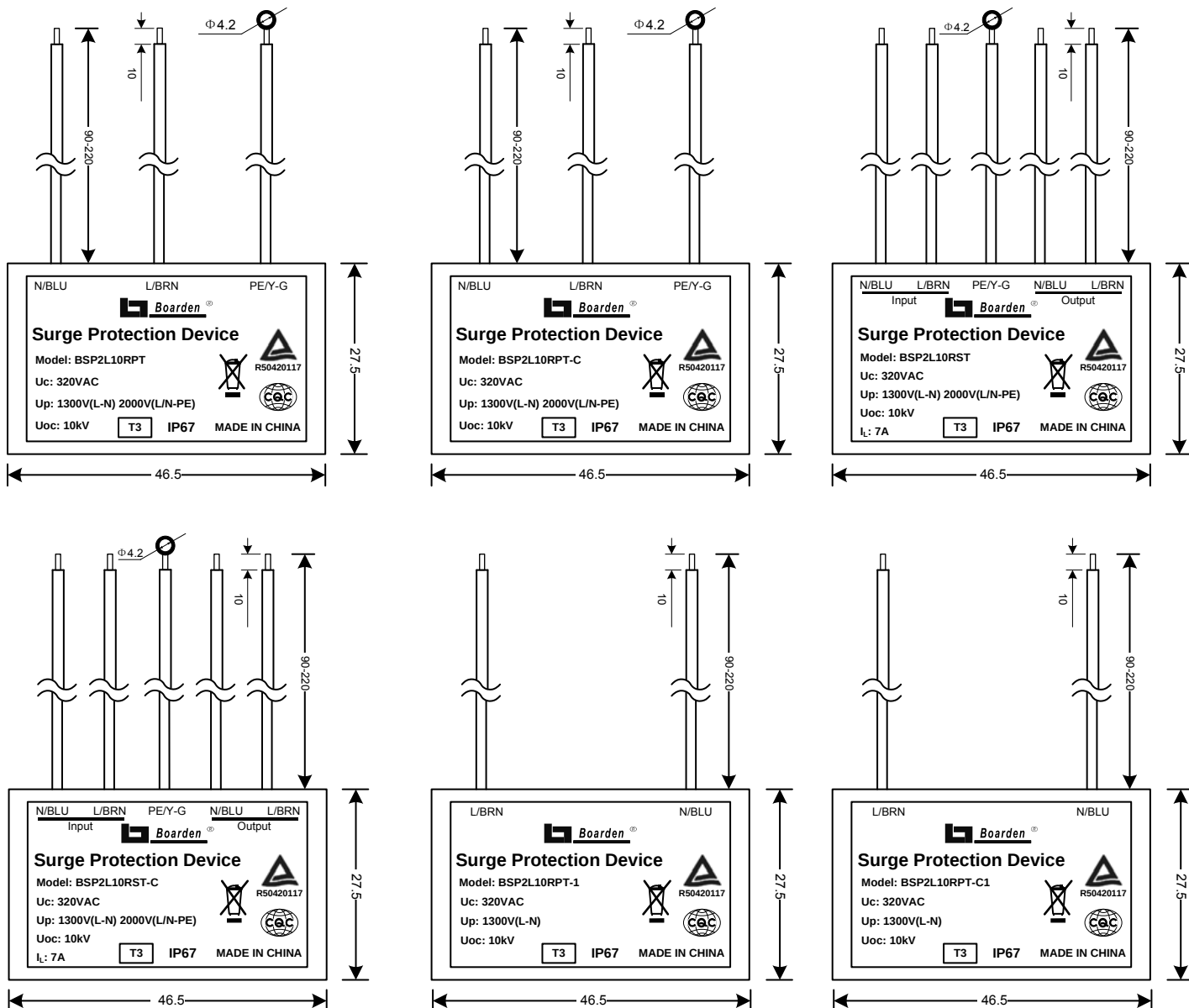
1) For BSP2L10RST and BSP2L10RST-C

2) Recommended External Circuit Breaker Model: C 10A, Curve C. (Individually Set of Main Circuit).

型号说明 Part Number System

Part Number	Connection Mode	Line Number	Line Length	Min. Line Diameter	Shell Type
BSP2L10RPT	Parallel Connection	3	90-220mm	1.0mm ²	L1
BSP2L10RPT-1	Parallel Connection	2 (L, N)			L1
BSP2L10RPT-C	Parallel Connection	3			L2
BSP2L10RPT-C1	Parallel Connection	2 (L, N)			L2
BSP2L10RST	Series Connection	5			L1
BSP2L10RST-C	Series Connection	5			L2

外壳尺寸 Shell Dimensions (mm)
外壳L1 安装版 Shell L1: Installation Type

外壳L2 非安装版 Shell L2: Uninstallation Type


外观 Appearance (mm)


警告: L, N线不得反接

Warning: No reverse connection between L and N lines.

备注 Note:

1. 线材长度、相对位置可能因为客户要求或生产原因而变更

Wire length can be customized, and wires relative position may be changed due to manual operation.

2. 铭牌可能以激光镭射或印刷标签展示

The nameplate may be displayed on laser or printed labels

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Specifications are subject to change without notice.

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