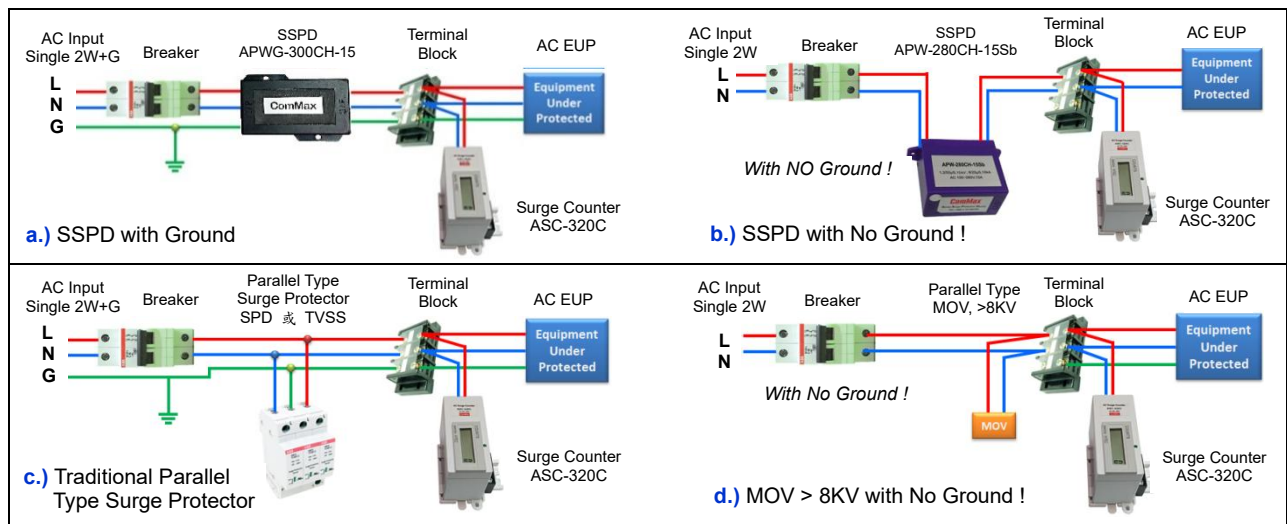


Surge Counter for AC

ASC-320C



The surge counter model ASC-320C is a sensitive surge counter without ring-core Current Transformer and grounding terminal. It uses lightning or surge induction voltage to sense the actuation counter through the current sensing detector and records the number of lightning or surge intrusions. It can be used to detect, count and display lightning and various interferences intruding in AC single-phase lines. The recorded number can help users understand, investigate, and prove whether the AC circuit has been intrusion disturbed by lightning or various types of surges, and their frequency. Single-phase AC lines require one unit, and three-phase AC lines require three units (one unit for each phase). ASC-320C can withstand 4KV/2KA combined surge. Therefore, ASC-320C must be connected under lightning and surge protection conditions. That is, the ASC-320C is connected on the secondary side of a series surge protection Device (SSPD), or downstream of a conventional parallel type surge arrester ($\geq 8KV$ surge absorber or suppressor, etc.), shown as below, °



Technical Specification

Model	ASC-320C
Voltage Range & Frequency	AC Single Phase, 2 wires (L, N), 100V~320V , 50/60Hz
Record Surge Type	Lightning Flash Surge ; power switching surges ; Switching Inrush Current ; Electric Magnetic Pulse ; Series Spark
Surge Immunity Test	4kV@1.2x50μs; 2KA@8x20μs (Combination Wave) , 2 times 60 sec. Interval
Counting Activate Range	50 – 2000 A p-p
LED Indicating / LCD Display	Power & Faulty Indicating / Digital display, 8 digits (with reset function)
Compliance Standard	ANSI C62.41, cat. B exposure, ANSI C37.90.1, IEC 61643-1 IEC 61000-4-4, IEC 61000-4-5, CNS 14676-4 ; CNS 14676-5
Temperature/ Humidity	-40°C ~ 80°C / 20% ~ 95% RH (non condensing)
Dimension / Weight / Color	77/95L x 45W x 58H, mm (Screws fixation) / 150 g / Black or White
Wire Connection	Under SSPD protection, connect between L- N, or L1- L2 on the AC power line.
Installation	Can be fixed with screws or DIN rails (optional).

* When the surge amplitude intruding into the surge counter is greater than 4KV/2KA, the surge counter may fail.

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