

APPLICATION BACKGROUND

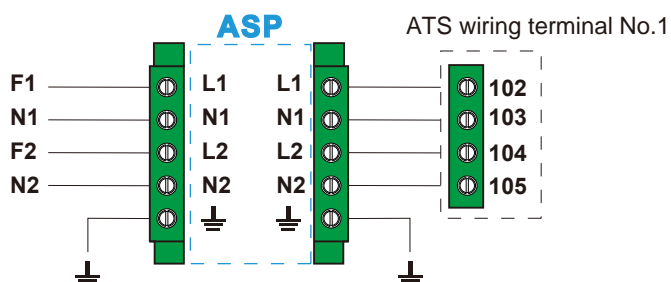
At the moment of lightning release, the voltage is very high, the current is very large, and the energy release time is short. It is not enough to only use external lightning protection (lightning rod, etc.). Lightning waves will directly or indirectly go into the power lines, signal lines, etc., and the resulted lightning over-voltage will produce a great danger to electronic and electrical equipment. ASP anti-surge module has the function of lightning protection, which can effectively absorb the surge pulse from the power system to ensure the safe use of ATS in harsh environment and lightning areas, and reduce the probability of ATS being damaged by lightning in lightning environment.

TECHNICAL PARAMETERS

Product model	ASP
Rated working voltage U_s :	230VAC
Rated working current :	3A /5A /10A
Maximum continuous operating voltage U_c :	275VAC
Nominal discharge current I_n :	3KA
Maximum discharge current I_{max} :	6.5KA
Voltage protection level U_p :	$\leq 1.0KV$
Working environment :	Temperature : -40~+70 Humidity : 30%~85% (25)

Note: the rated current of ASP anti-surge module should match with ATS switch

WIRING SCHEMATIC



FEATURES

- ▶ ASP anti-surge module can absorb surges and effectively counteract the damage caused by surges to smart electric appliances through the built-in surge protection device.
- ▶ Surges occur with high frequency and irregularity, so it is necessary to take continuous protection for smart appliances. Anti-surge module can effectively block high, medium and low spike voltage of different intensities without interruption.
- ▶ For the instantaneous burst of ultra-high current, the slightest flow into the sophisticated control circuit of ATS can have fatal consequences. Anti-surge module can effectively cut off the ultra-high current in nanosecond, providing a high level of protection for intelligent appliances. This module can effectively protect the internal control board of ATS.

OUTLINE DIMENSIONS AND INSTALLATION METHODS

Outline dimensions	Installation method
88mm*53mm*59mm (Length, width and height)	Standard 35 DIN rail

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WECHAT



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