

## DA12(24/48/110/230)-5K0-D

### scope of application

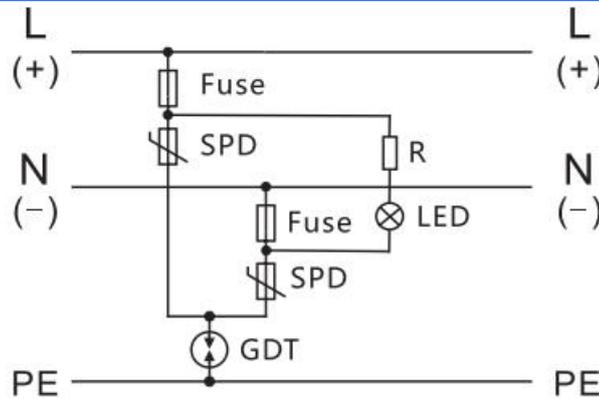
This device is designed for industrial automation systems, computer systems, data centers, and signal control systems, protecting power supply equipment at the front end of circuits with different voltage levels from overvoltage caused by lightning strikes or operational disturbances in AC or DC power lines.



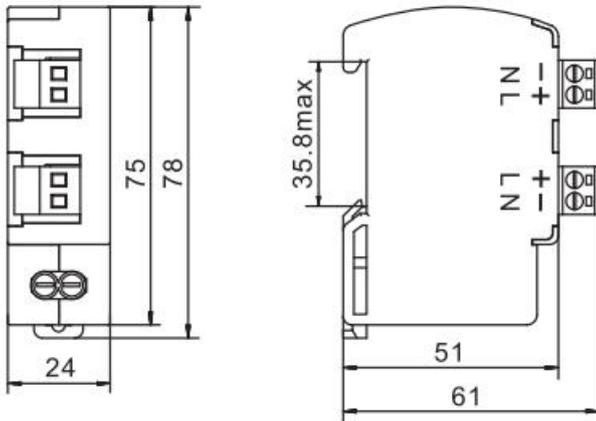
### technical parameter

model	DA12(24/48/110/230)-5K0-D
According to the standard: GB/T18802.11/IEC61643-11	Grade III/Category III
Nominal AC/DC voltage (Un)	5V ~ 12V/24V/48V/110V/230V
Maximum continuous operating voltage (Uc) AC/DC	18V/36V/60V/150V/320V
Nominal discharge current (8/20μs) [In]	5KA
Maximum discharge current (8/20μs) [Imax]	10KA
Open-circuit voltage (Uoc)	10KV
Voltage protection level (Up)	0.4KV/0.4KV/0.8KV/1KV/1.5KV
response time (t)	≤25ns
external backup fuse	built-in
leakage current	not have
leakage current	≤20μA
Working temperature range (Tu)	-40°C ~ +80°C
Working status/fault indication	Red/None
maximum load current	1A
port number	2
minimum installed conductor cross-sectional area	0.5mm <sup>2</sup> single-strand/multistrand
maximum installed conductor cross-sectional area	2.5mm <sup>2</sup> (Line side) / 4mm <sup>2</sup> (PE side) single-strand/multistrand
way to install	35mm DIN rail, compliant with EN 60715
Shell material	Gray thermoplastic material, UL94 V-0
installation site	indoor
levels of protection	IP20
size	1.35 module, DIN 43880
relative humidity	≤95% No condensation

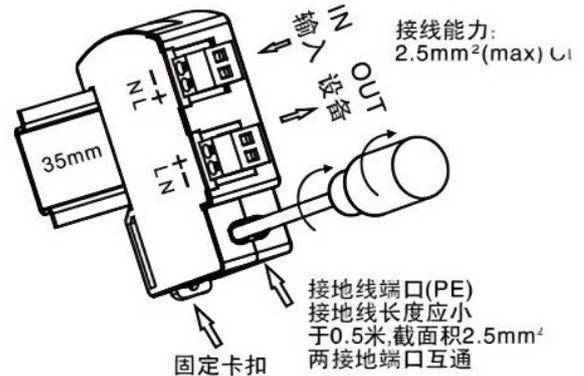
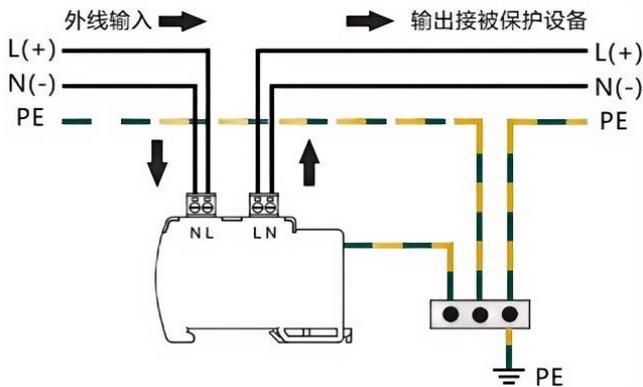
### schematic diagram



### outline dimensional drawing



### hookup



### Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.