

**Type 1 /Class B AC power lightning protection M100B series
MOV/MOV+GDT Technology**

M100B2

M100B1+N

M100B3+N

M100B4
Description:

M100 series power supply system AC module are mainly applicable to power distribution system for class I / type 1 protection, to protect electrical equipment from the impact of lightning electromagnetic pulse, induced over voltage, transient operation and resonance(less than 100 μ s) over voltage.

Feature:

Remote alarm,
large discharge current,
Quick response.
Standardized module design, easy to install, simple for maintenance,
Latest arcing technology, avoid fire accident thoroughly
Special impact fuse with high reliability
International famous core component with excellent performance

Application

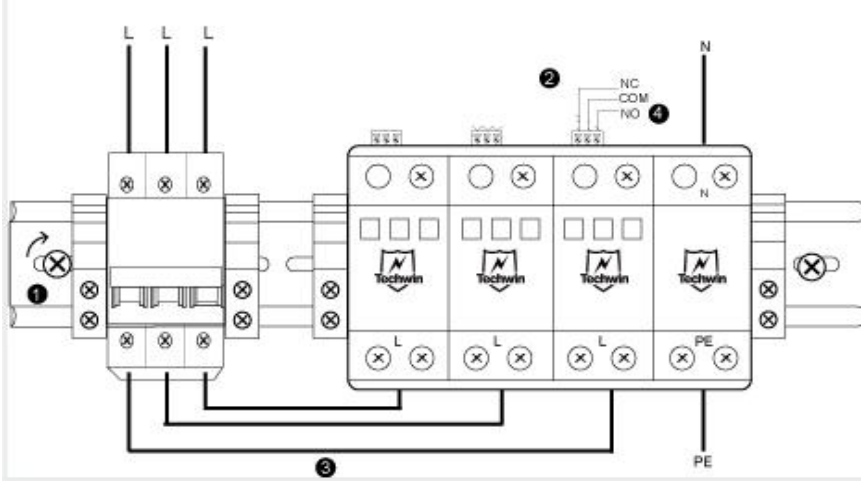
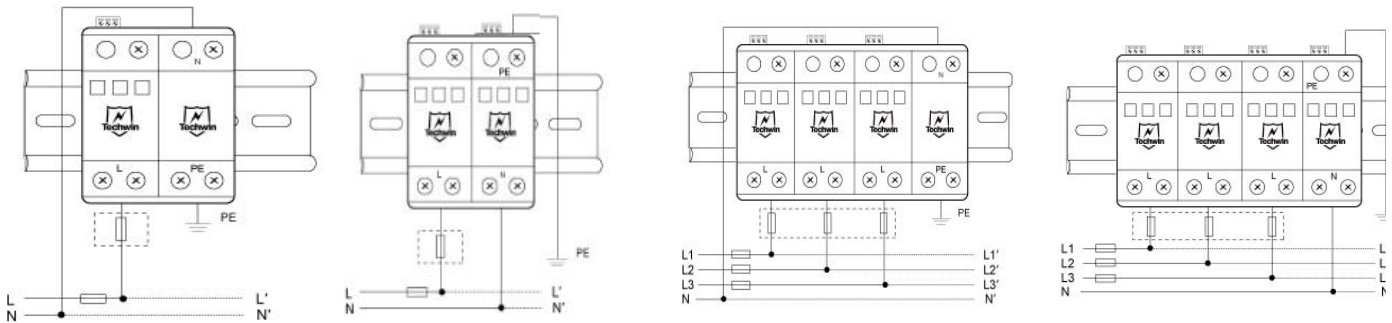
Type1 class I Surge Protective Device for AC Power System.

- Sensitive electronic equipment
- Telecom centers
- Automatic control centers
- Intelligent buildings
- Industrial enterprises
- Medical institutes

Technical parameters

| Model | M100B1 | M100B2 | M100B1+N | M100B4 | M100B3+N |
|--|------------------------------|--------|----------|--------|----------|
| Lightning protection zone(LPZ) | 1-2 | | | | |
| Standards Compliance | IEC61643-11, EN60950 | | | | |
| Classification | Class I /Type 1 | | | | |
| Nominal working voltage Un | 220V | | | 385V | |
| Max continuous operating voltage Uc | 385V | | | | |
| Nominal discharge current (8/20 μ s) In | 50KA | | | | |
| Max discharge current I _{max} (8/20 μ s) I _{max} | 100KA | | | | |
| Short-Circuit Current Rating I _{sc} | 25KA | | | | |
| Temporary overvoltage (TOV)(L-N) Ut | 440 V / 120 min. – withstand | | | | |
| Temporary overvoltage (TOV) [N-PE) Ut | 1200 V / 200 ms – withstand | | | | |
| Voltage protection level Up | ≤2500V | | | | |

| | | | | | |
|---------------------|---|----------------------|-----------|-----------------------|-----------------|
| Response time t_A | 25ns | | | | |
| Protection model | L-PE | L/N-PE | L-N, N-PE | L1/L2/L3,N-PE | L1/L2/L3-N,N-PE |
| Dimension | 90 (H)×36(W)×65 (L)mm | 90 (H)×72(W)×65(L)mm | | 90 (H)×144(W)×65(L)mm | |
| Mounting | DIN rail Mounting 35mm | | | | |
| IP code | IP20 | | | | |
| Working conditions | Temperature: -40 to 80 °C, Relative humidity: ≤95 % | | | | |

Installation diagram

Wiring diagram

M100B1+N
M100B2
M100B3+N
M100B4