

Type 1 +Type 2 /Class B+C Surge protection device for AC power system

Own designed gap technology (switch type)

MA25S-A series



MA25S-A/1+N



MA25S-A/3+N

Description:

MA25S-A series products are the upgraded version of MA25S series, using own designed gap technology , with more excellent parameters, mainly used for Type 1+Type 2 protection of power distribution systems (10 / 350 μ s), and are used to protect electrical and electronic equipment from the damage of lightning electromagnetic pulse induced voltage, operating transients and resonance (<100 μ s) overvoltage, it widely used in power supply protection in communication equipment, electrical, electrical appliances, power equipment, CCTV, transportation, industrial control, aviation and other fields.

Feature:

- Own designed spark gap technology,
- Excellent parameters
- DIN rail mounting for easy installation
- Remote Remote signalling,
- No leakage current, low residual voltage
- Thin module design, easy to install, simple for maintance,
- Latest arcing technology, avoid fire accident thoroughly
- Special impact fuse with high reliability
- International famous core component with excellent performance
- High quality products with CE, IEC610643-11 certificates

Application



Class B+C/Type 1+2 Surge Protective Device for AC Power System.

Power distribution box(cabinet)

AC cabinet

PV investor

Switch power supply

Column head cabinet

F.Charging station/charging point

Sensitive electronic equipment

Telecom centers

Automatic control centers

Intelligent buildings

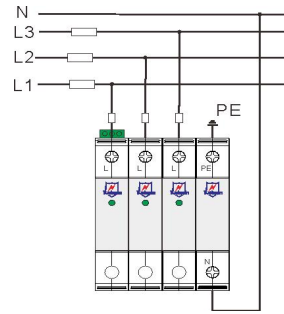
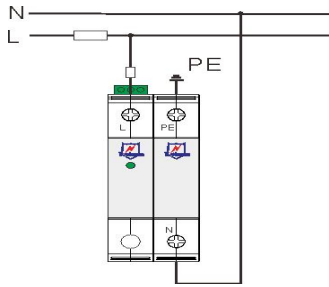
Industrial enterprises

Medical institutes

IT, TT, TN-C, TN-S, TN-C-S and other power supply system

Technical parameters

Model	MA25S-A	MA25S-A/2	MA25S-A/1+N	MA25S-A/4	MA25S-A/3+N
Lighning proection zone(LPZ)	1-2				
Standards Compliance	IEC61643-11, EN60950				
Classification	Class B+C /Type 1+2				
Nominal working voltage Un	400VAC				
Max continuous operating voltage Uc	L-N 440V, N-PE 440V				
Max discharge current (10/350μs)	L-N 25KA, N-PE 100KA				
Nominal discharge current In	L-N 25KA, N-PE 100KA				
Max discharge current Imax (8/20μs)	L-N100KA, N-PE:200KA				
Imax					
Follow current interrupt rating Ifi	25KArms/100Arms				
Short-Circuit Current Rating Isccr	25KA				
Temporary overvoltage (TOV)(L-N) Ut	585 V / 120 min. – withstand				
Temporary overvoltage (TOV) [N-PE) Ut	1200 V / 200 ms – withstand				
Leakage current at Uc	3mA/0mA				
Voltage protection level 8/20μs Up	≤2500V(L-N)/ ≤2500V(N-PE)				
Residual energy through MOV S20K275 according to IEC61643-12 coordination test of lightning arrester with impulse current Iimp 25KA (10/350μs)	≤151Jouls				
Response time tA (L-N/N-PE)	100ns				
Protection model	L-PE	L/N-PE	L-N, N-PE	L1/L2/L3,N-PE	L1/L2/L3-N,N-PE
Dimension	91 (H)×18(W)×65(L)mm	91(H)×36(W)×65(L)mm		91 (H)×72(W)×65(L)mm	
Mounting	DIN rail Mounting 35mm				
IP code	IP20				
Working conditions	Temperature: -40 to 80℃, Relative humidity: ≤95%				
Wiring diagram					



Dimension

