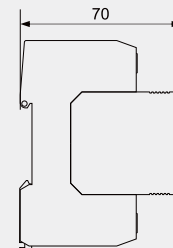
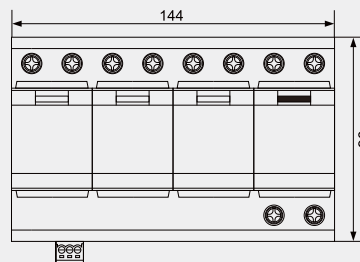
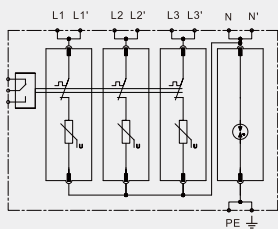
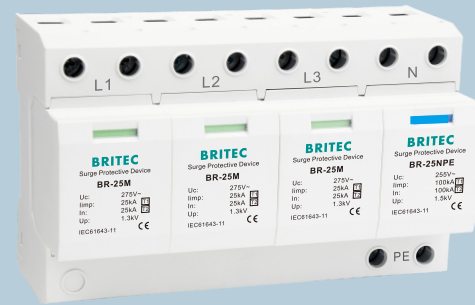


BR-25M 3+1

Type 1+Type 2+Type 3
Surge Arrester



■ BR-25M 3+1 surge arrester is suitable for TT and TN-S system.

| | | BR-25M 150 3+1 | BR-25M 275 3+1 | BR-25M 320 3+1 |
|---|------------------------------|--------------------------------|--------------------------------|--------------------------------|
| SPD classification according to EN61643-11 | | Type 1 + Type 2 + Type 3 | Type 1 + Type 2 + Type 3 | Type 1 + Type 2 + Type 3 |
| SPD classification according to IEC61643-11 | | Class I + Class II + Class III | Class I + Class II + Class III | Class I + Class II + Class III |
| Nominal operating voltage | Un | 120/240V (50/60Hz) | 230/400V (50/60Hz) | 250/440V(50/60Hz) |
| Max. continuous operating a.c. voltage | Uc (L-N/N-PE) | 150V/255V (50/60Hz) | 275V/255V (50/60Hz) | 320V/255V (50/60Hz) |
| Lightning impulse current (10/350µs) | Iimp (L-N/N-PE) | 25kA/100kA | 25kA/100kA | 25kA/100kA |
| Total discharge current (10/350µs) | Itotal | 100kA | 100kA | 100kA |
| Nominal discharge current (8/20µs) | In (L-N/N-PE) | 25kA/100kA | 25kA/100kA | 25kA/100kA |
| Maximum discharge current (8/20µs) | I _{max} (L-N/N-PE) | 120kA/200kA | 120kA/200kA | 120kA/200kA |
| Quantity of electric charge (L-N,N-PE) | Q | 12.5As, 50As | 12.5As, 50As | 12.5As, 50As |
| Specific energy (L-N,N-PE) | W/R | 156kJ/Ω, 2500kJ/Ω | 156kJ/Ω, 2500kJ/Ω | 156kJ/Ω, 2500kJ/Ω |
| Voltage protection level | Up (L-N/N-PE) | ≤ 0.8kV/≤ 1.5kV | ≤ 1.3kV/≤ 1.5kV | ≤ 1.3kV/≤ 1.5kV |
| Short-circuit current rating a.c. | I _{SCCR} (L-N/N-PE) | 25kA rms/100A rms | 25kA rms/100A rms | 25kA rms/100A rms |
| Max. backup fuse | | 200A gG | 200A gG | 200A gG |
| Temporary overvoltage TOV-withstand | UT (L-N) | 175V/5sec. | 335V/5sec. | 350V/5sec. |
| Temporary overvoltage TOV-safe failure | UT (L-N) | 250V/120min. | 440V/120min. | 550V/120min. |
| Temporary overvoltage TOV-withstand | UT (N-PE) | 1200V/200ms | 1200V/200ms | 1200V/200ms |
| Leakage current | I _{PE} | <2mA | <2mA | <2mA |
| Response time | t _A | ≤25ns/≤100ns | ≤25ns/≤100ns | ≤25ns/≤100ns |
| Operating temperature range | T _u | -40°C-80°C | -40°C-80°C | -40°C-80°C |
| Cross-section area (Min.) | | 4mm ² | 4mm ² | 4mm ² |
| Cross-section area(Max.) | | 35mm ² | 35mm ² | 35mm ² |
| For mounting on | | 35mm Din rail | 35mm Din rail | 35mm Din rail |
| Enclosure material | | Thermoplastic UL94-V0 | Thermoplastic UL94-V0 | Thermoplastic UL94-V0 |
| Degree of protection | | IP20 | IP20 | IP20 |
| Order Code | | B17208 | B18163 | B17221 |
| Order Code (With remote signaling) | | B17209 | B18164 | B17222 |