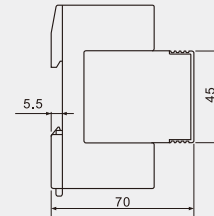
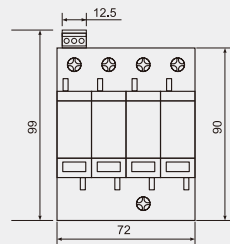
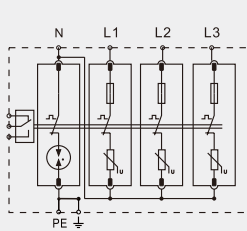
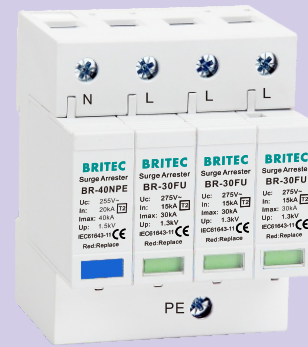


BR-30FU 3+1

Type 2 Surge Arrester



BR-30FU 3+1 surge arrester is suitable for TT and TN-S system.

| | BR-30FU 150 3+1 | BR-30FU 275 3+1 | BR-30FU 320 3+1 | BR-30FU 385 3+1 | BR-30FU 440 3+1 |
|---|-----------------------|-------------------|-------------------|-------------------|-------------------|
| SPD classification according to EN61643-11 | Type 2 | Type 2 | Type 2 | Type 2 | Type 2 |
| SPD classification according to IEC61643-11 | Class II | Class II | Class II | Class II | Class II |
| Max. continuous operating a.c. voltage [L-N] U _c | 150V | 275V | 320V | 385V | 440V |
| Max. continuous operating a.c. voltage [N-PE] U _c | 255V | 255V | 255V | 255V | 255V |
| Nominal discharge current (8/20μs) _[L-N/N-PE] I _n | 15kA/20kA | 15kA/20kA | 15kA/20kA | 15kA/20kA | 15kA/20kA |
| Max. discharge current (8/20μs) _[L-N/N-PE] I _{max} | 30kA/40kA | 30kA/40kA | 30kA/40kA | 30kA/40kA | 30kA/40kA |
| Voltage protection level [L-N] U _p | ≤0.8kV | ≤1.3kV | ≤1.5kV | ≤1.8kV | ≤2.0kV |
| Voltage protection level 5kA [L-N] U _p | ≤0.6kV | ≤1kV | ≤1.2kV | ≤1.4kV | ≤1.6kV |
| Voltage protection level [N-PE] U _p | ≤1.5kV | ≤1.5kV | ≤1.5kV | ≤1.5kV | ≤1.5kV |
| Short-circuit withstand capacity I _{SCCR} | 25kA | 25kA | 25kA | 25kA | 25kA |
| Temporary overvoltage TOV-withstand [L-N] U _T | 175V/5sec. | 335V/5sec. | 350V/5sec. | 550V/5sec. | 580V/5sec. |
| Temporary overvoltage TOV-safe failure [L-N] U _T | 250V/120min. | 440V/120min. | 550V/120min. | 660V/120min. | 770V/120min. |
| Temporary overvoltage TOV-withstand [N-PE] U _T | 1200V/200ms | 1200V/200ms | 1200V/200ms | 1200V/200ms | 1200V/200ms |
| Follow current extinguishing capability a.c. [N-PE] I _{fi} | 100Arms | 100Arms | 100Arms | 100Arms | 100Arms |
| Leakage current I _{PE} | <0.1mA | <0.1mA | <0.1mA | <0.1mA | <0.1mA |
| Response time [L-N] t _A | ≤25ns | ≤25ns | ≤25ns | ≤25ns | ≤25ns |
| Response time [N-PE] t _A | ≤100ns | ≤100ns | ≤100ns | ≤100ns | ≤100ns |
| Operating temperature range T _u | -40°C-80°C | -40°C-80°C | -40°C-80°C | -40°C-80°C | -40°C-80°C |
| Operating state/fault indication | green/red | green/red | green/red | green/red | green/red |
| Cross-section area (Min.) | 4 mm ² | 4 mm ² | 4 mm ² | 4 mm ² | 4 mm ² |
| Cross-section area (Max.) | 35mm ² | 35mm ² | 35mm ² | 35mm ² | 35mm ² |
| For mounting on | 35mm Din rail | | | | |
| Enclosure material | Thermoplastic UL94-V0 | | | | |
| Degree of protection | IP20 | IP20 | IP20 | IP20 | IP20 |
| Order Code | B16110 | B16122 | B16134 | B16146 | B16158 |
| Order Code (With remote signaling) | B16111 | B16123 | B16135 | B16147 | B16159 |