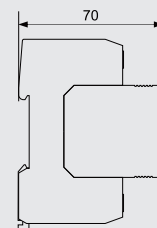
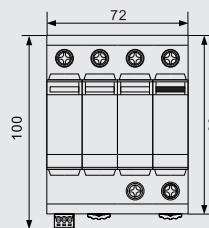
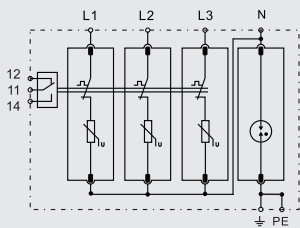
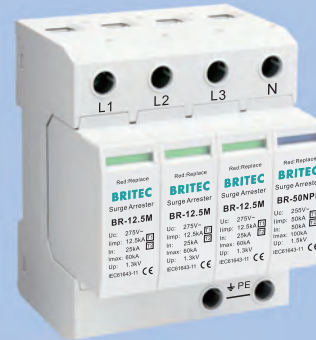


## BR-12.5M 3+1 T1+T2 Surge Arrester



BR-12.5M 3+1 surge arrester is suitable for TT and TN-S system.

|   | BR-12.5M 150 3+1                | BR-12.5M 275 3+1                | BR-12.5M 320 3+1                |
|---|---------------------------------|---------------------------------|---------------------------------|
| SPD classification according to EN61643-11                      | Type 1 + Type 2                 | Type 1 + Type 2                 | Type 1 + Type 2                 |
| SPD classification according to IEC61643-11                     | Class I + Class II              | Class I + Class II              | Class I + Class II              |
| Max. continuous operating a.c. voltage $U_c$                    | 150V                            | 275V                            | 320V                            |
| Lightning impulse current (10/350 $\mu$ s) (L-N/N-PE) $I_{imp}$ | 12.5kA/50kA                     | 12.5kA/50kA                     | 12.5kA/50kA                     |
| Total discharge current (10/350 $\mu$ s) $I_{total}$            | 50kA                            | 50kA                            | 50kA                            |
| Nominal discharge current (8/20 $\mu$ s) (L-N/N-PE) $I_n$       | 25kA/50kA                       | 25kA/50kA                       | 25kA/50kA                       |
| Max. discharge current (8/20 $\mu$ s) (L-N/N-PE) $I_{max}$      | 60kA/100kA                      | 60kA/100kA                      | 60kA/100kA                      |
| Voltage protection level (L-N/N-PE) $U_p$                       | $\leq 0.8kV/\leq 1.5kV$         | $\leq 1.3kV/\leq 1.5kV$         | $\leq 1.5kV/\leq 1.5kV$         |
| Voltage protection level 5kA (L-N/N-PE) $U_p$                   | $\leq 0.6kV/\leq 1.5kV$         | $\leq 1kV/\leq 1.5kV$           | $\leq 1.2kV/\leq 1.5kV$         |
| Max. backup fuse  | 125A gG                         | 125A gG                         | 125A gG                         |
| Specific energy (L-N/N-PE) W/R                                  | 39kJ/ $\Omega$ /625kJ/ $\Omega$ | 39kJ/ $\Omega$ /625kJ/ $\Omega$ | 39kJ/ $\Omega$ /625kJ/ $\Omega$ |
| Short circuit withstand capacity $I_{SCCR}$                     | 25kA                            | 25kA                            | 25kA                            |
| Temporary overvoltage TOV-withstand (L-N) $U_T$                 | 180V/5sec.                      | 335V/5sec.                      | 400V/5sec.                      |
| Temporary overvoltage TOV-safe failure (L-N) $U_T$              | 230V/120min.                    | 440V/120min.                    | 520V/120min.                    |
| Temporary overvoltage TOV-withstand (N-PE) $U_T$                | 1200V/200ms                     | 1200V/200ms                     | 1200V/200ms                     |
| Leakage current $I_{PE}$  | None                            | None                            | None                            |
| Response time (L-N/N-PE) $t_A$                                  | $\leq 25ns/\leq 100ns$          | $\leq 25ns/\leq 100ns$          | $\leq 25ns/\leq 100ns$          |
| Operating temperature range $T_u$                               | -40 $^{\circ}C$ -80 $^{\circ}C$ | -40 $^{\circ}C$ -80 $^{\circ}C$ | -40 $^{\circ}C$ -80 $^{\circ}C$ |
| Operating state/fault indication                                | green/red                       | green/red                       | green/red                       |
| Cross-section area (Min.)                                       | 4 mm <sup>2</sup>               | 4 mm <sup>2</sup>               | 4 mm <sup>2</sup>               |
| Cross-section area (Max.)                                       | 35mm <sup>2</sup>               | 35mm <sup>2</sup>               | 35mm <sup>2</sup>               |
| For mounting on   | 35mm Din rail                   |                                 |                                 |
| Enclosure material  | Thermoplastic UL94-V0           |                                 |                                 |
| Degree of protection  | IP20                            | IP20                            | IP20                            |
| Order Code  | B18611                          | B18613                          | B18615                          |
| Order Code (With remote signaling)                              | B18612                          | B18614                          | B18616                          |