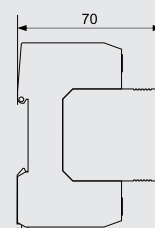
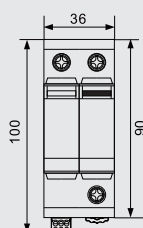
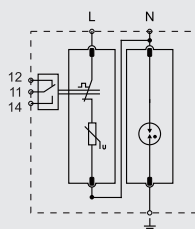


## BR-12.5M 1P+N T1+T2 Surge Arrester



■ BR-12.5M 1+1 surge arrester is suitable for single phase TT and TN system.

|                                                                 | BR-12.5M 150 1P+N                | BR-12.5M 275 1P+N                | BR-12.5M 320 1P+N                |
|-----------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 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/25kA                      | 12.5kA/25kA                      | 12.5kA/25kA                      |
| Total discharge current (10/350 $\mu$ s) $I_{total}$            | 25kA                             | 25kA                             | 25kA                             |
| 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/ $\Omega$ / 156kJ/ $\Omega$ | 39kJ/ $\Omega$ / 156kJ/ $\Omega$ | 39kJ/ $\Omega$ / 156kJ/ $\Omega$ |
| 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°C-80°C                       | -40°C-80°C                       | -40°C-80°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                                                      | B18617                           | B18619                           | B18621                           |
| Order Code (With remote signaling)                              | B18618                           | B18620                           | B18622                           |