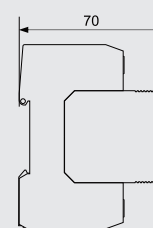
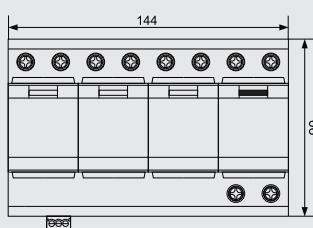
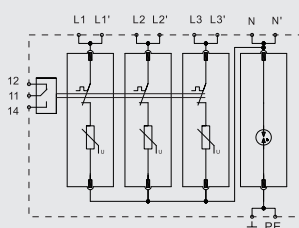
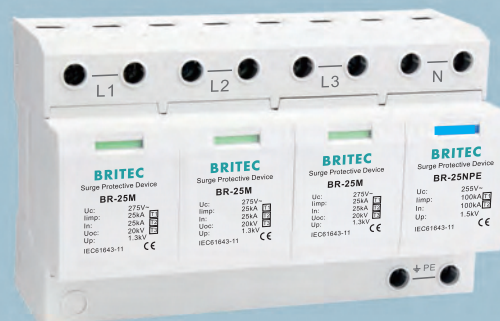


BR-25M 3P+N

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 3P+N	BR-25M 275 3P+N	BR-25M 320 3P+N
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 U_n	120/240V (50/60Hz)	230/400V (50/60Hz)	250/440V (50/60Hz)
Max. continuous operating a.c. voltage U_c (L-N/N-PE)	150V/255V (50/60Hz)	275V/255V (50/60Hz)	320V/255V (50/60Hz)
Lightning impulse current (10/350μs) I_{imp} (L-N/N-PE)	25kA/100kA	25kA/100kA	25kA/100kA
Total discharge current (10/350μs) I_{total}	100kA	100kA	100kA
Nominal discharge current (8/20μs) I_n (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
Combined impulse U_{oc}	20kV	20kV	20kV
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 U_p (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 U_T (L-N)	180V/5sec.	335V/5sec.	400V/5sec.
Temporary overvoltage TOV-safe failure U_T (L-N)	230V/120min.	440V/120min.	520V/120min.
Temporary overvoltage TOV-withstand U_T (N-PE)	1200V/200ms	1200V/200ms	1200V/200ms
Leakage current I_{PE}	None	None	None
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
Operating state/fault indication	green/red	green/red	green/red
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