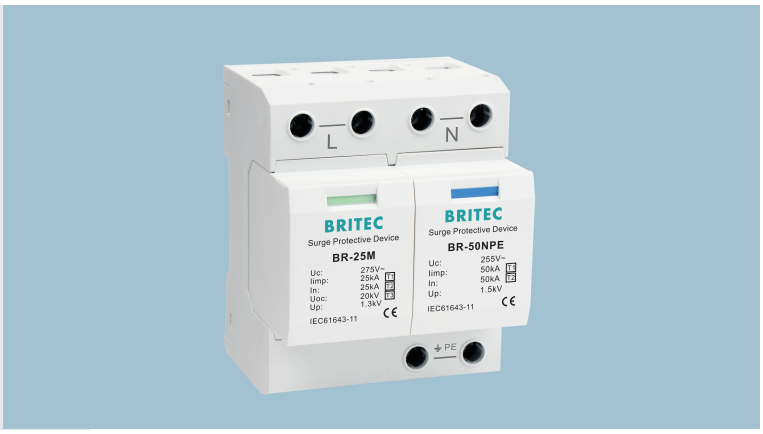
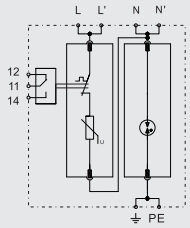
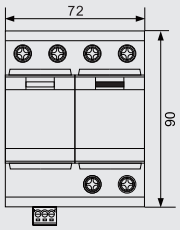
5 YEARS WARRANTY! | 120V 240V System | 230V 400V System | T1 T2 T3

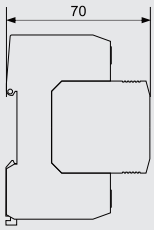
BR-25M 1+1

Type 1+Type 2+Type 3
Surge Arrester









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

		BR-25M 150 1+1	BR-25M 275 1+1	BR-25M 320 1+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/50kA	25kA/50kA	25kA/50kA
Total discharge current (10/350μs)	Itotal	50kA	50kA	50kA
Nominal discharge current (8/20μs)	In (L-N/N-PE)	25kA/50kA	25kA/50kA	25kA/50kA
Maximum discharge current (8/20μs)	Imax (L-N/N-PE)	120kA/200kA	120kA/200kA	120kA/200kA
Combined impluse	Uoc	20kV	20kV	20kV
Quantity of electric charge (L-N,N-PE)	Q	12.5As, 25As	12.5As, 25As	12.5As, 25As
Specific energy (L-N,N-PE)	W/R	156kJ/Ω, 625kJ/Ω	156kJ/Ω, 625kJ/Ω	156kJ/Ω, 625kJ/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.	ISCCR (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)	180V/5sec.	335V/5sec.	400V/5sec.
Temporary overvoltage TOV-safe failure	UT (L-N)	230V/120min.	440V/120min.	520V/120min.
Temporary overvoltage TOV-withstand	UT (N-PE)	1200V/200ms	1200V/200ms	1200V/200ms
Leakage current	IPE	None	None	None
Response time	tA	≤25ns/≤100ns	≤25ns/≤100ns	≤25ns/≤100ns
Operating temperature range	Tu	-40℃-80℃	-40℃-80℃	-40℃-80℃
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		B17210	B18153	B17223
Order Code (With remote signaling)		B17211	B18154	B17224