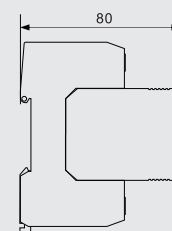
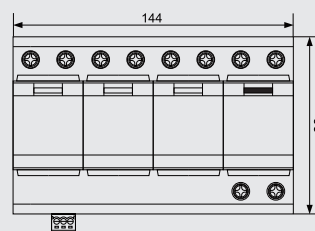
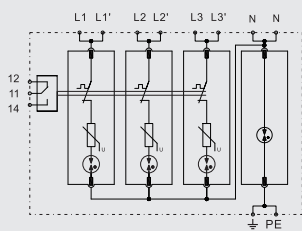
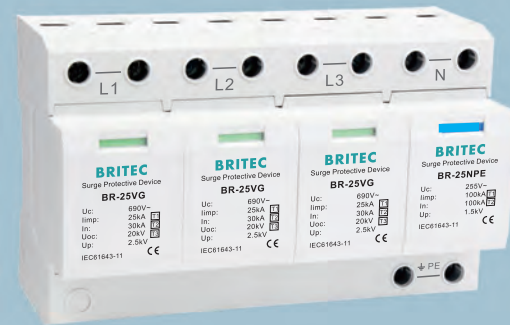


BR-25VG 3+1

Type 1+Type 2+Type 3
Surge Arrester



BR-25VG 3+1 is suitable for TT and TN-S system.

	BR-25VG 320 3+1	BR-25VG 440 3+1	BR-25VG 690 3+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 U_n	250/440V(50/60Hz)	250/440V(50/60Hz)	400/690V(50/60Hz)
Max. continuous operating a.c. voltage U_c (L-N/N-PE)	320V/255V(50/60Hz)	440V/255V(50/60Hz)	690V/255V(50/60Hz)
Lightning impulse current (10/350 μ s) I_{imp} (L-N/N-PE)	25kA/100kA	25kA/100kA	25kA/100kA
Total discharge current (10/350 μ s) I_{total}	100kA	100kA	100kA
Nominal discharge current (8/20 μ s) I_n (L-N/N-PE)	30kA/100kA	30kA/100kA	30kA/100kA
Maximum discharge current (8/20 μ s) I_{max} (L-N/N-PE)	100kA/160kA	100kA/160kA	100kA/160kA
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)	$\leq 1.5kV/\leq 1.5kV$	$\leq 1.8kV/\leq 1.5kV$	$\leq 2.5kV/\leq 1.5kV$
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)	400V/5sec.	580V/5sec.	800V/5sec.
Temporary overvoltage TOV-safe failure U_T (L-N)	520V/120min.	765V/120min.	1000V/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	$\leq 100ns$	$\leq 100ns$	$\leq 100ns$
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.)	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	B17269	B17281	B17293
Order Code (With remote signaling)	B17270	B17282	B17294