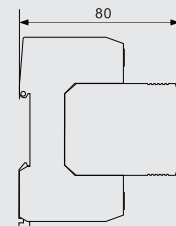
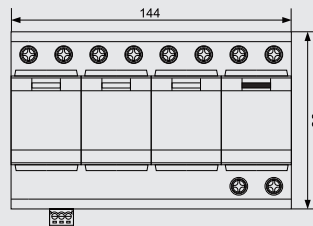
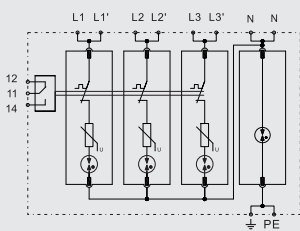
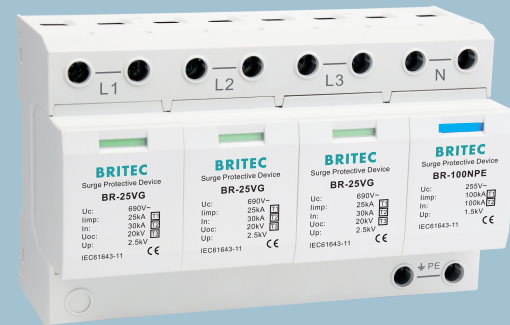


## BR-25VG 3+1

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 $\mu$ s) $I_{imp}$ (L-N/N-PE)	25kA/100kA	25kA/100kA	25kA/100kA
Total discharge current (10/350 $\mu$ s) $I_{total}$	100kA	100kA	100kA
Nominal discharge current (8/20 $\mu$ s) $I_n$ (L-N/N-PE)	30kA/100kA	30kA/100kA	30kA/100kA
Maximum discharge current (8/20 $\mu$ 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/ $\Omega$ , 2500kJ/ $\Omega$	156kJ/ $\Omega$ , 2500kJ/ $\Omega$	156kJ/ $\Omega$ , 2500kJ/ $\Omega$
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 <sup>2</sup>	4mm <sup>2</sup>	4mm <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	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