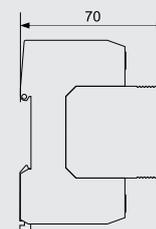
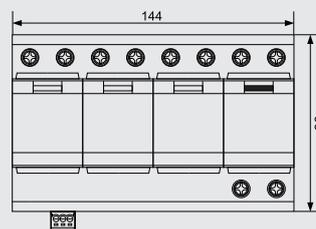
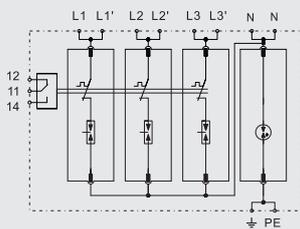
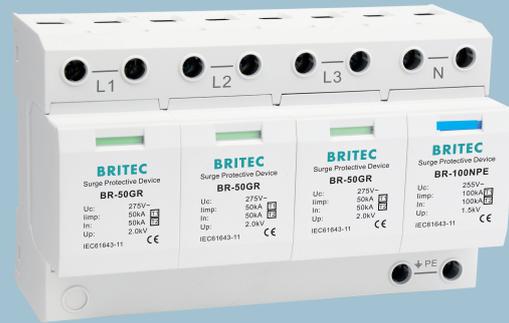


## BR-50GR 3+1 Type 1 Surge Arrester



■ BR-50GR 3+1 surge arrester is suitable for TT and TN-S system.

	BR-50GR 150 3+1	BR-50GR 275 3+1	BR-50GR 350 3+1
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
Nominal operating voltage	Un	120/240V (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)
Lightning impulse current (10/350µs)	Iimp (L-N/N-PE)	50kA/100kA	50kA/100kA
Nominal discharge current (8/20µs)	In (L-N/N-PE)	50kA/100kA	50kA/100kA
Maximum discharge current (8/20µs)	Imax (L-N/N-PE)	160kA/200kA	160kA/200kA
Quantity of electric charge (L-N,N-PE)	Q	25As, 50As	25As, 50As
Specific energy (L-N,N-PE)	W/R	625kJ/Ω, 2500kJ/Ω	625kJ/Ω, 2500kJ/Ω
Voltage protection level	Up (L-N/N-PE)	≤2.0kV/≤1.5kV	≤2.0kV/≤1.5kV
Short-circuit current rating a.c.	I <sub>SCCR</sub> (L-N/N-PE)	25kA rms/100A rms	25kA rms/100A rms
Max. backup fuse		315A gG	315A gG
Temporary overvoltage TOV-withstand	UT (L-N)	230V/120min.	440V/120min.
Temporary overvoltage TOV-withstand	UT (N-PE)	1200V/200ms	1200V/200ms
Leakage current	I <sub>PE</sub>	None	None
Response time	t <sub>A</sub>	≤100ns	≤100ns
Operating temperature range	T <sub>u</sub>	-40°C-80°C	-40°C-80°C
Operating state/fault indication		green/red	green/red
Cross-section area (Min.)		4mm <sup>2</sup>	4mm <sup>2</sup>
Cross-section area(Max.)		35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermoplastic UL94-V0	Thermoplastic UL94-V0
Degree of protection		IP20	IP20
Order Code		B17166	B17192
Order Code (With remote signaling)		B17167	B17193