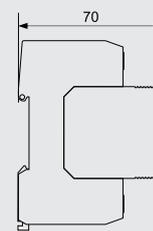
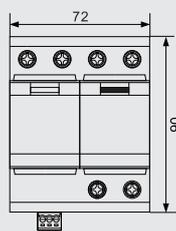
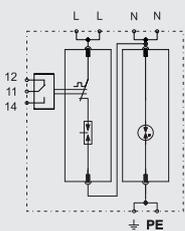


BR-50GR 1+1 Type 1 Surge Arrester



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

	BR-50GR 150 1+1	BR-50GR 275 1+1	BR-50GR 350 1+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 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)	350V/255V (50/60Hz)
Lightning impulse current (10/350 μ s) I_{imp} (L-N/N-PE)	50kA/100kA	50kA/100kA	50kA/100kA
Nominal discharge current (8/20 μ s) I_n (L-N/N-PE)	50kA/100kA	50kA/100kA	50kA/100kA
Maximum discharge current (8/20 μ s) I_{max} (L-N/N-PE)	160kA/200kA	160kA/200kA	160kA/200kA
Quantity of electric charge (L-N,N-PE) Q	25As, 50As	25As, 50As	25As, 50As
Specific energy (L-N,N-PE) W/R	625kJ/ Ω , 2500kJ/ Ω	625kJ/ Ω , 2500kJ/ Ω	625kJ/ Ω , 2500kJ/ Ω
Voltage protection level U_p (L-N/N-PE)	$\leq 2.0kV/\leq 1.5kV$	$\leq 2.0kV/\leq 1.5kV$	$\leq 2.0kV/\leq 1.5kV$
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	315A gG	315A gG	315A gG
Temporary overvoltage TOV-withstand U_T (L-N)	230V/120min.	440V/120min.	580V/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	B17168	B18157	B17194
Order Code (With remote signaling)	B17169	B18158	B17195