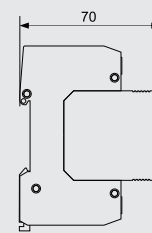
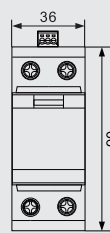
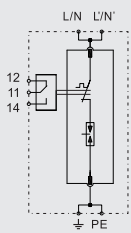


## BR-50GR 1P Type 1 Surge Arrester



BR-50GR 1P can be used to build 2P, 3P and 4P surge arresters.

	BR-50GR 150 1P	BR-50GR 275 1P	BR-50GR 350 1P
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 $U_c$	150V (50/60Hz)	275V (50/60Hz)	350V (50/60Hz)
Lightning impulse current (10/350 $\mu$ s) $I_{imp}$	50kA	50kA	50kA
Nominal discharge current (8/20 $\mu$ s) $I_n$	50kA	50kA	50kA
Maximum discharge current (8/20 $\mu$ s) $I_{max}$	160kA	160kA	160kA
Quantity of electric charge $Q$	25As	25As	25As
Specific energy $W/R$	625kJ/ $\Omega$	625kJ/ $\Omega$	625kJ/ $\Omega$
Voltage protection level $U_p$	$\leq 1.5kV$	$\leq 1.5kV$	$\leq 1.5kV$
Short-circuit current rating a.c. $I_{SCCR}$	25kA rms	25kA rms	25kA rms
Max. backup fuse	315A gG	315A gG	315A gG
Temporary overvoltage TOV-withstand $U_T$	230V/120min.	440V/120min.	580V/120min.
Leakage current $I_{PE}$	<0.1mA	<0.1mA	<0.1mA
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	B17164	B18117	B17190
Order Code (With remote signaling)	B17165	B18118	B17191