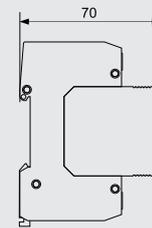
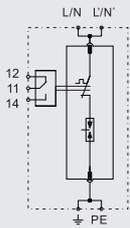


BR-50GR 1P Type 1 Surge Arrester



■ 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 μ s) I_{imp}	50kA	50kA	50kA
Nominal discharge current (8/20 μ s) I_n	50kA	50kA	50kA
Maximum discharge current (8/20 μ s) I_{max}	160kA	160kA	160kA
Quantity of electric charge Q	25As	25As	25As
Specific energy W/R	625kJ/ Ω	625kJ/ Ω	625kJ/ Ω
Voltage protection level U_p	$\leq 2.0kV$	$\leq 2.0kV$	$\leq 2.0kV$
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 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	B17164	B18117	B17190
Order Code (With remote signaling)	B17165	B18118	B17191