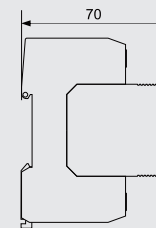
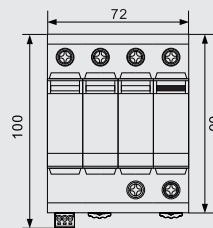
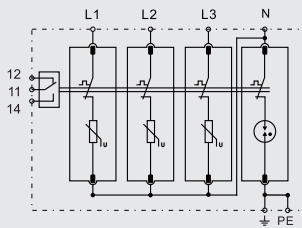
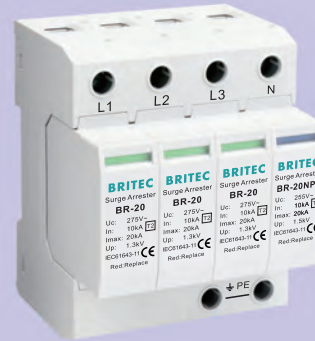


BR-20 3+1

Type 2 Surge Arrester



BR-20 3+1 surge arrester is suitable for TT and TN-S system.

	BR-20 150 3+1	BR-20 275 3+1	BR-20 320 3+1	BR-20 385 3+1	BR-20 440 3+1
SPD classification according to EN61643-11	Type 2	Type 2	Type 2	Type 2	Type 2
SPD classification according to IEC61643-11	Class II	Class II	Class II	Class II	Class II
Max. continuous operating a.c. voltage [L-N] U_c	150V	275V	320V	385V	440V
Max. continuous operating a.c. voltage [N-PE] U_c	255V	255V	255V	255V	255V
Nominal discharge current (8/20 μ s) I_n	10kA	10kA	10kA	10kA	10kA
Max. discharge current (8/20 μ s) I_{max}	20kA	20kA	20kA	20kA	20kA
Voltage protection level [L-N] U_p	$\leq 0.8kV$	$\leq 1.3kV$	$\leq 1.5kV$	$\leq 1.8kV$	$\leq 2.0kV$
Voltage protection level 5kA [L-N] U_p	$\leq 0.6kV$	$\leq 1kV$	$\leq 1.2kV$	$\leq 1.3kV$	$\leq 1.5kV$
Voltage protection level [N-PE] U_p	$\leq 1.5kV$	$\leq 1.5kV$	$\leq 1.5kV$	$\leq 1.5kV$	$\leq 1.5kV$
Short-circuit withstand capacity I_{SCCR}	25kA	25kA	25kA	25kA	25kA
Temporary overvoltage TOV-withstand [L-N] U_T	180V/5sec.	335V/5sec.	400V/5sec.	500V/5sec.	580V/5sec.
Temporary overvoltage TOV-safe failure [L-N] U_T	230V/120min.	440V/120min.	520V/120min.	650V/120min.	765V/120min.
Temporary overvoltage TOV-withstand [N-PE] U_T	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms	1200V/200ms
Follow current extinguishing capability a.c. [N-PE] I_{fi}	100Arms	100Arms	100Arms	100Arms	100Arms
Max. backup fuse	63A gG	63A gG	63A gG	63A gG	63A gG
Leakage current I_{PE}	None	None	None	None	None
Response time [L-N] t_A	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Response time [N-PE] t_A	$\leq 100ns$	$\leq 100ns$	$\leq 100ns$	$\leq 100ns$	$\leq 100ns$
Operating temperature range T_u	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C	-40°C-80°C
Operating state/fault indication	green/red	green/red	green/red	green/red	green/red
Cross-section area (Min.)	4 mm ²	4 mm ²	4 mm ²	4 mm ²	4 mm ²
Cross-section area (Max.)	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
For mounting on	35mm Din rail				
Enclosure material	Thermoplastic UL94-V0				
Degree of protection	IP20	IP20	IP20	IP20	IP20
Order Code	B18741	B18743	B18745	B18747	B18749
Order Code (With remote signaling)	B18742	B18744	B18746	B18748	B18750