

Inrush current limiters

Leaded disks, uncoated

Applications

- Inrush current limiter (charging resistor) for smoothing and DC link capacitors
- To replace high-power fixed resistors for capacitor charging

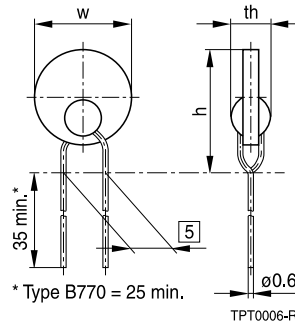
Features

- Self-protecting in case of malfunction of short-circuit relay or internal short circuit of capacitor
- Inrush current limiters are not damaged when directly connected to V_{max} even without additional current limitation
- Marking: Type, manufacturer's logo, reference temperature in °C and date code YYWW
- UL approval to UL 1434 with $V_{max} = 420$ V and $V_R = 380$ V (file number E69802)
- VDE approval for selected types (licence number 104843 E)
- RoHS-compatible

Delivery mode

- Cardboard strips

Dimensional drawing



Dimensions in mm

Type	w_{max}	h_{max}	th_{max}
B750	12.5	16.5	5.0
B751	12.5	16.5	7.0
B752	12.5	16.5	7.0
B753	12.5	16.5	7.0
B754	12.5	16.5	7.0
B755	12.5	16.5	7.0
B770	8.5	12.0	7.0
B771	8.5	12.0	7.0
B772	8.5	12.0	7.0
B773	8.5	12.0	7.0

General technical data

Operating cycles at V_{max}	(charging of capacitor)	N_c	> 50000	cycles
Switching cycles at V_{max}	(failure mode)	N_f	> 10	cycles
Operating temperature range	($V = 0$)	T_{op}	-40/+125	°C
Operating temperature range	($V = V_{max}$)	T_{op}	-20/+85	°C

Electrical specifications and ordering codes

Type	V_{max}	$V_{link,max}$	R_R	ΔR_R	T_{ref} (typ.)	C_{th}	τ_{th}	Approvals		Ordering code
	V AC	V DC	Ω	%	°C	J/K	s			
B750	260	360	25	±25	115	1.0	100	X	X	B59750B0120A070
B751	260	360	50	±25	115	1.4	120	X	X	B59751B0120A070
B752	260	360	80	±25	115	1.4	120	X	X	B59752B0120A070
B753	440	620	120	±25	115	1.4	120	X	X	B59753B0120A070
B754	440	620	150	±25	115	1.4	120	X	X	B59754B0120A070
B755	560	800	500	±25	110	1.4	120	X	X	B59755B0115A070