

**Applications**

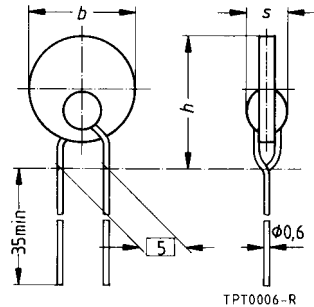
- Overcurrent and short-circuit protection

**Features**

- Lead-free terminals
- Manufacturer's logo, date code and type designation stamped on in black
- UL approval to UL 1434 with  $V_{\max} = 420 \text{ V}$  and  $V_N = 380 \text{ V}$  (file number E69802), except B 758

**Delivery mode**

- Cardboard strips (standard)
- Cardboard tape reeled or in AMMO pack on request



Dimensions (mm)

Type	$b_{\max}$	$h_{\max}$	$s_{\max}$
B 75*	12,5	16,5	7,0
B 77*	8,5	12,1	7,0

**General technical data**

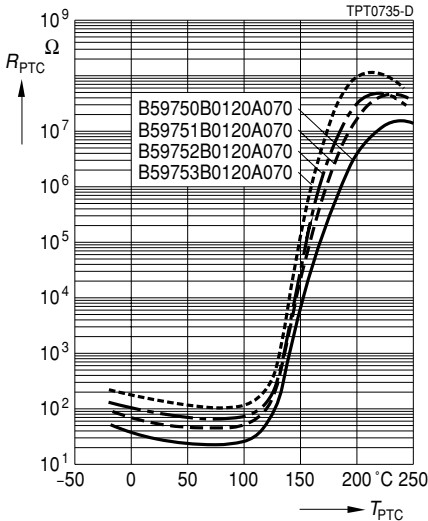
Switching cycles (typ.)	$N$	100	
Operating temperature range ( $V = 0$ )	$T_{\text{op}}$	- 40/+ 125	°C
	$T_{\text{op}}$	0/+ 60	°C

**Electrical specifications and ordering codes**

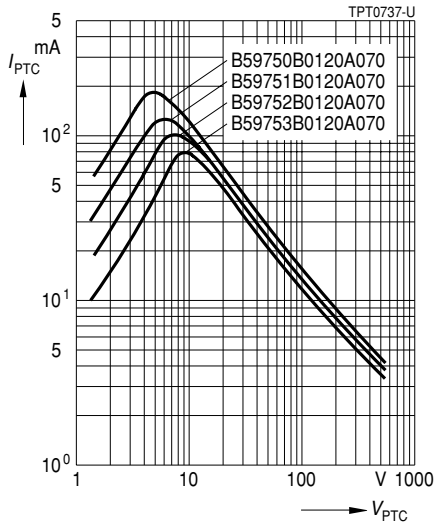
Type	$I_N$ mA	$I_S$ mA	$I_{S\max}$ ( $V = V_{\max}$ ) A	$t_S$ ( $V_{\max}, I_{S\max}$ ) s	$I_r$ (typ.) ( $V = V_{\max}$ ) mA	$R_N$ $\Omega$	$R_{\min}$ $\Omega$	Ordering code
$V_{\max} = 420 \text{ V}, V_N = 380 \text{ V}, T_{\text{Ref}} = 120 \text{ }^\circ\text{C}$ (typ.), $\Delta R_N = \pm 25 \%$								
B 750	123	245	2,0	< 6	4,0	25	13	B59750B0120A070
B 751	87	173	2,0	< 4	3,5	50	26	B59751B0120A070
B 752	69	137	2,0	< 4	3,5	80	42	B59752B0120A070
B 770	64	127	1,4	< 4	3,5	70	45	B59770B0120A070
B 753	56	112	2,0	< 3	3,0	120	63	B59753B0120A070
B 754	50	100	2,0	< 3	3,0	150	68	B59754B0120A070
B 771	49	97	1,4	< 3	2,5	120	76	B59771B0120A070
B 772	43	86	1,4	< 3	2,5	150	96	B59772B0120A070
$V_{\max} = 550 \text{ V}, V_N = 500 \text{ V}, T_{\text{Ref}} = 115 \text{ }^\circ\text{C}$ (typ.), $\Delta R_N = \pm 25 \%$								
B 755	28	55	1,4	< 3	2,0	500	230	B59755B0115A070
$V_{\max} = 550 \text{ V}, V_N = 500 \text{ V}, T_{\text{Ref}} = 120 \text{ }^\circ\text{C}$ (typ.), $\Delta R_N = \pm 25 \%$								
B 773	24	48	1,0	< 3	2,0	500	320	B59773B0120A070
$V_{\max} = 550 \text{ V}, V_N = 500 \text{ V}, T_{\text{Ref}} = 115 \text{ }^\circ\text{C}$ (typ.), $\Delta R_N = \pm 25 \%$								
B 774	16	32	1,0	< 2	1,5	1100	700	B59774B0115A070
$V_{\max} = 1000 \text{ V}, V_N = 1000 \text{ V}, T_{\text{Ref}} = 110 \text{ }^\circ\text{C}$ (typ.), $\Delta R_N = \pm 33 \%$								
B 758	8	17	0,5	< 3	3,0	7500	3380	B59758B0110A070

**Characteristics (typical)**

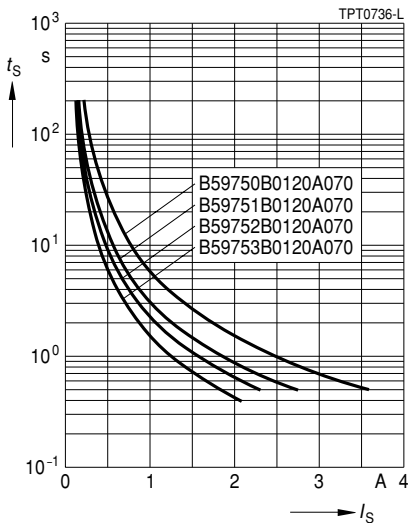
PTC resistance  $R_{PTC}$  versus  
PTC temperature  $T_{PTC}$   
(measured at low signal voltage)



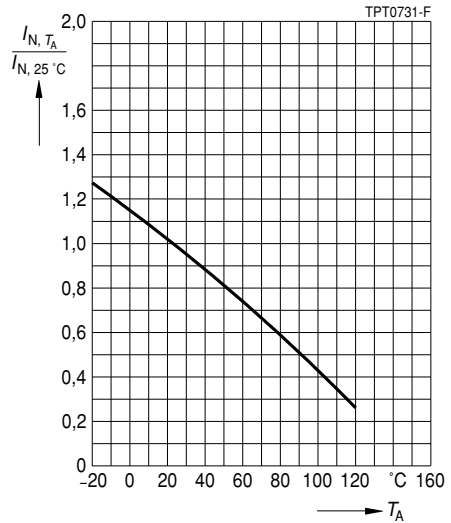
PTC current  $I_{PTC}$  versus PTC voltage  $V_{PTC}$   
(measured at 25  $^{\circ}C$  in still air)



Switching time  $t_S$  versus switching current  $I_S$   
(measured at 25  $^{\circ}C$  in still air)

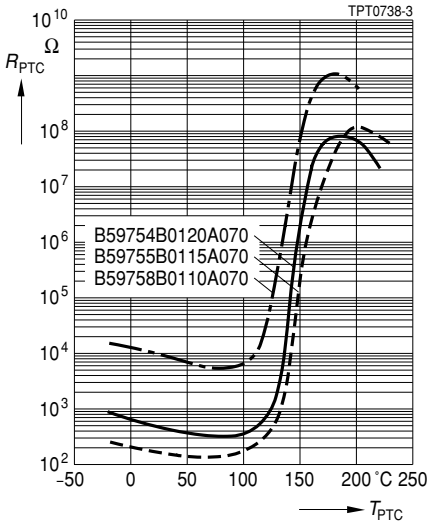


Rated current  $I_N$  versus ambient temperature  $T_A$   
(measured in still air)

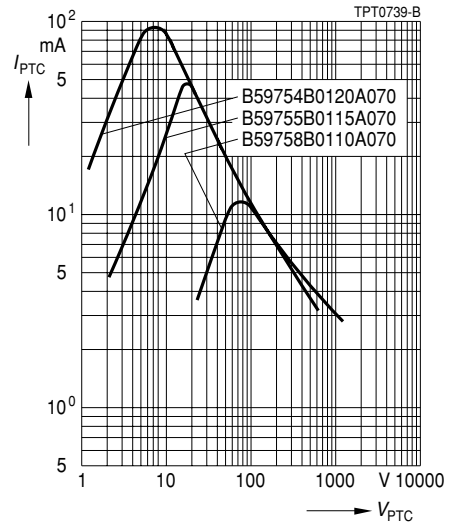


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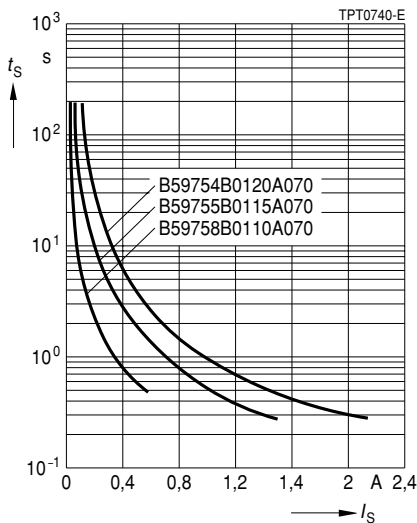
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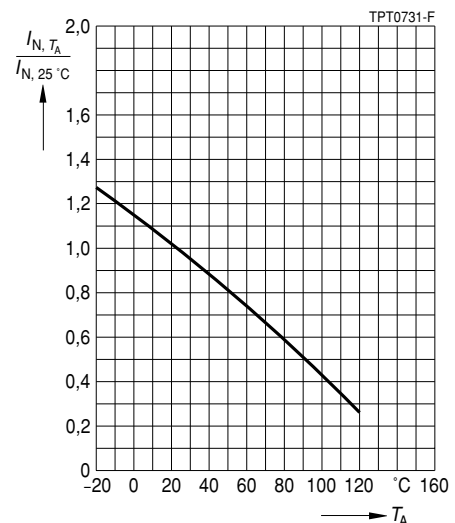
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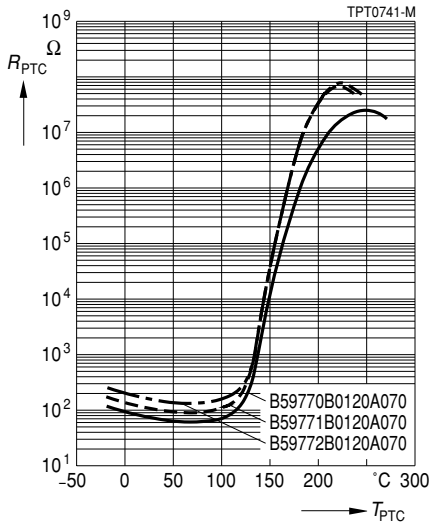


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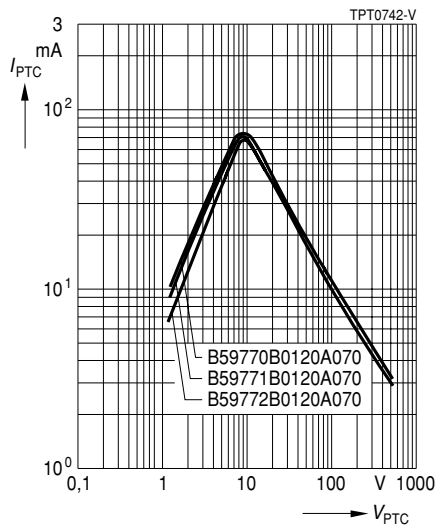


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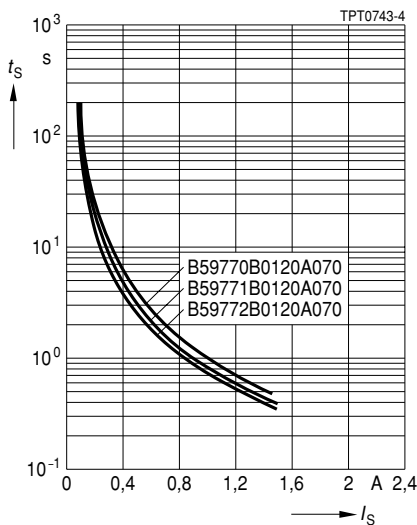
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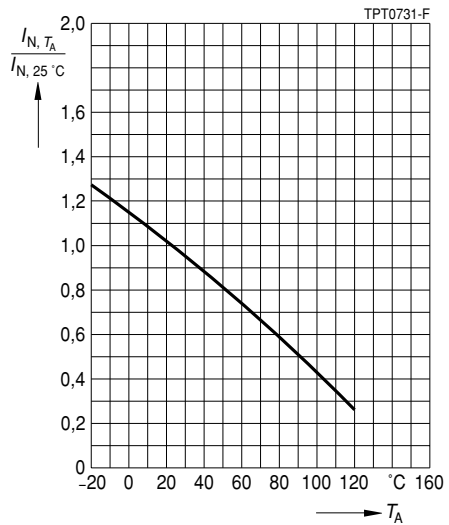
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Switching time  $t_S$  versus switching current  $I_S$   
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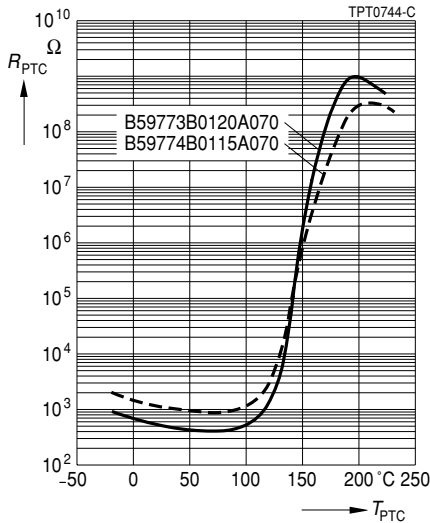


Rated current  $I_N$  versus ambient temperature  $T_A$   
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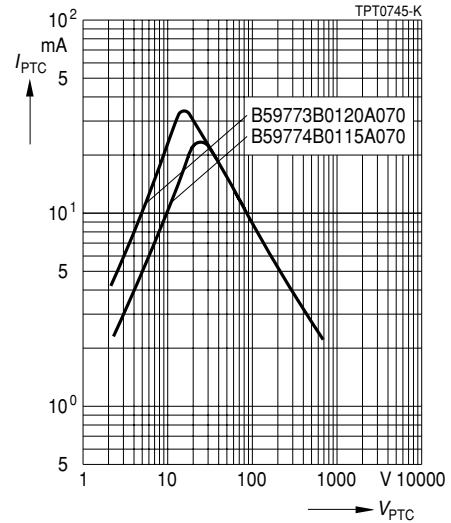


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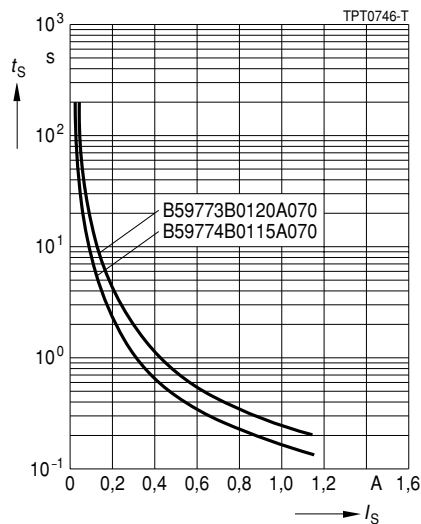
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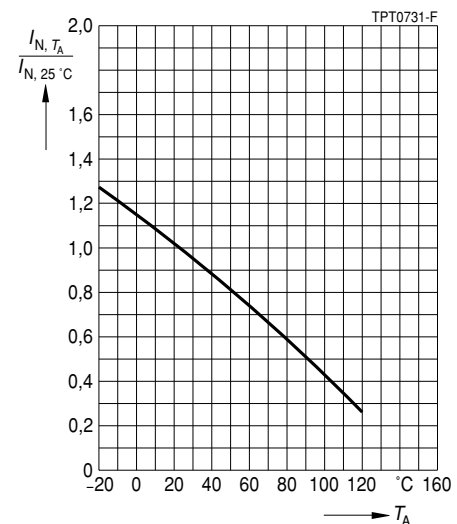
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**Published by EPCOS AG**

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