

30 V, 120 °C

Applications

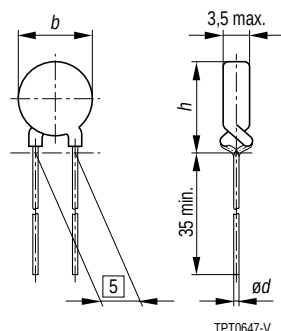
- Overcurrent and short-circuit protection

Features

- Coated thermistor disk
- Manufacturer's logo and type designation stamped on in white
- Low resistance
- For rated currents of up to 2,5 A
- UL approval (E69802)
- VDE approval (exception: C915)

Options

- Leadless disks and leaded disks without coating available upon request
- Thermistors with diameter $b \leq 11,0$ mm are also available on tape



TPT0647-V

Dimensions (mm)

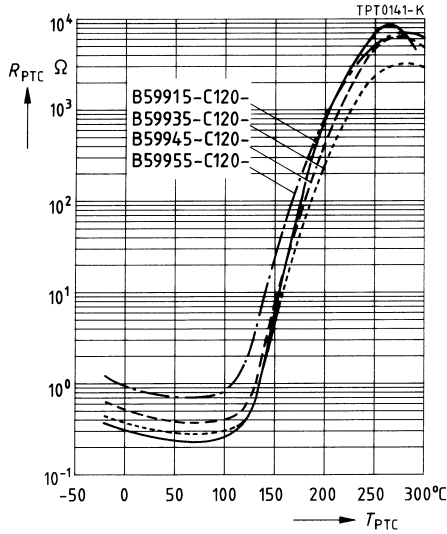
Type	$b_{\max}$	$\varnothing d$	$h_{\max}$
C 915	26,0	0,8	29,5
C 935	22,0	0,6	25,5
C 945	17,5	0,6	21,0
C 955	13,5	0,6	17,0
C 965	11,0	0,6	14,5
C 975	9,0	0,6	12,5
C 985	6,5	0,6	10,0
C 995	4,0	0,5	7,5

Max. operating voltage ($T_A = 60$ °C)	$V_{\max}$	30	V
Rated voltage	V_N	12, 24	V
Switching cycles (typ.)	N	100	
Switching time at $V_{\max}$, $I_{S\max}$	t_S	≤ 10	s
Reference temperature (typ.)	T_{Ref}	120	°C
Resistance tolerance	ΔR_N	± 25 %	
Operating temperature range ($V = 0$)	T_{op}	$-40/+125$	°C
($V = V_{\max}$)	T_{op}	0/60	°C

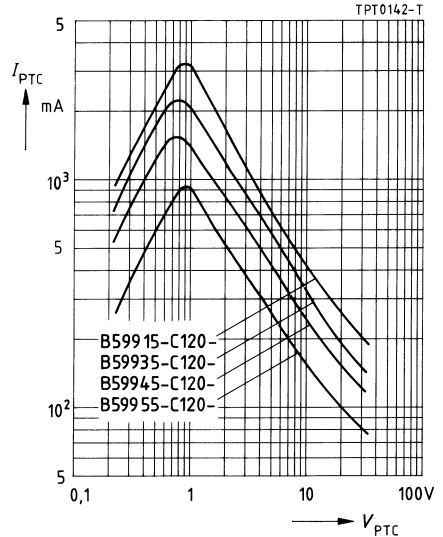
Type	I_N	I_S	$I_{S\max}$ ($V = V_{\max}$)	I_r (typ.) ($V = V_{\max}$)	I_r (typ.) ($V = 12$ V)	R_N	$R_{\min}$	Ordering code
	mA	mA	A	mA	mA	Ω	Ω	
C 915	2500	5000	15,0	220	490	0,2	0,1	B59915-C120-A70
C 935	1800	3600	10,0	170	380	0,3	0,2	B59935-C120-A70
C 945	1300	2600	8,0	115	250	0,45	0,3	B59945-C120-A70
C 955	850	1700	5,5	80	175	0,8	0,5	B59955-C120-A70
C 965	600	1200	4,3	70	150	1,2	0,7	B59965-C120-A70
C 975	450	900	3,0	60	130	1,8	1,1	B59975-C120-A70
C 985	250	500	1,0	45	100	4,6	2,7	B59985-C120-A70
C 995	120	240	0,7	25	54	13	7,8	B59995-C120-A70

Characteristics (typical)

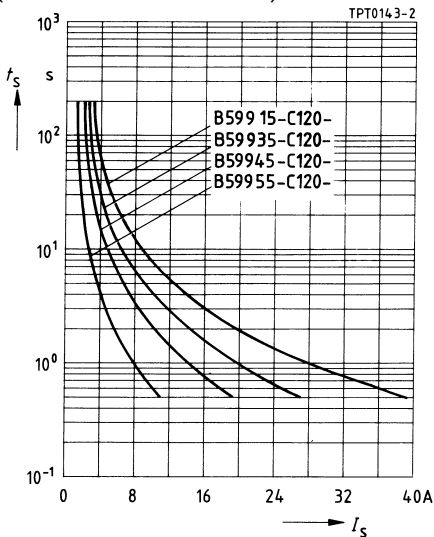
PTC resistance R_{PTC} versus
 PTC temperature T_{PTC}
 (measured at low signal voltage)



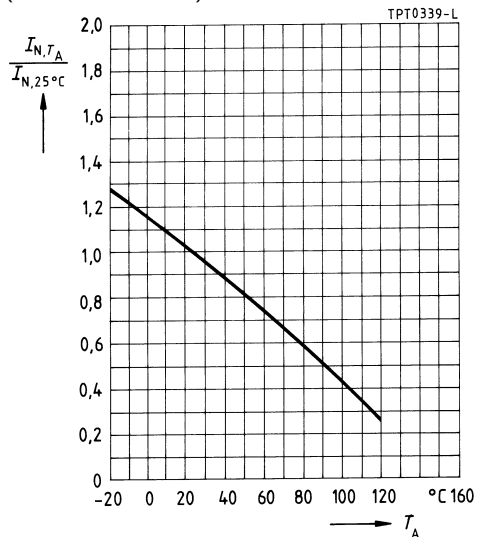
PTC current I_{PTC} versus PTC voltage V_{PTC}
 (measured at 25 °C in still air)



Switching time t_S versus switching current I_S
 (measured at 25 °C in still air)

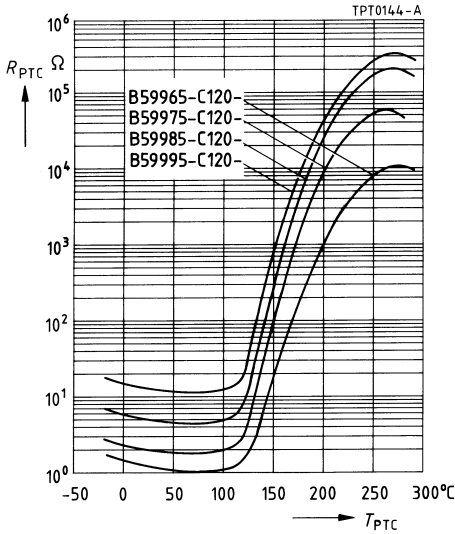


Rated current I_N versus ambient temperature T_A
 (measured in still air)

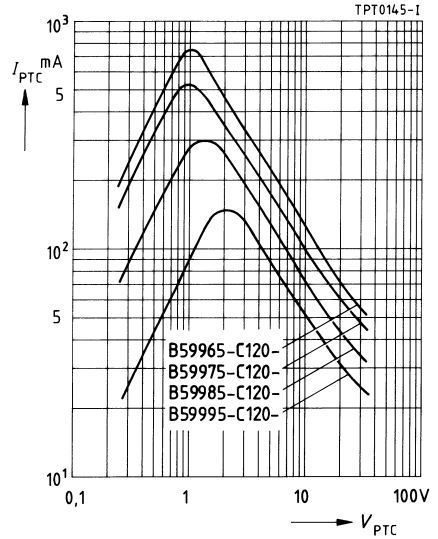


Characteristics (typical)

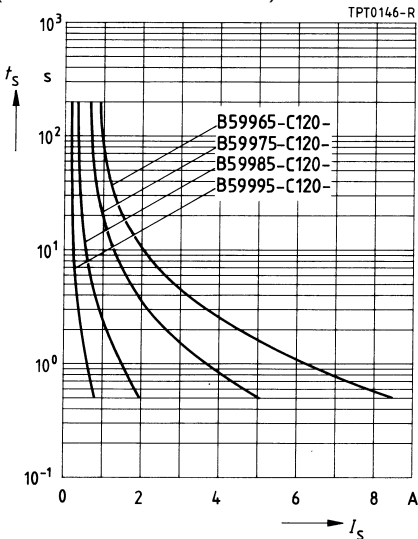
PTC resistance R_{PTC} versus
 PTC temperature T_{PTC}
 (measured at low signal voltage)



PTC current I_{PTC} versus PTC voltage V_{PTC}
 (measured at 25 °C in still air)



Switching time t_S versus switching current I_S
 (measured at 25 °C in still air)



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

