Applications

- Overcurrent protection for 42 V power net

Features

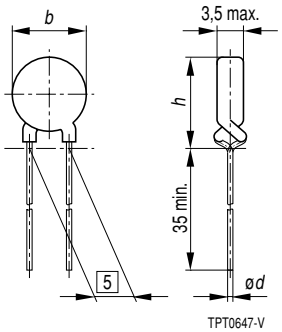
- Lead-free terminals
- Manufacturer's logo and type designation stamped on in white

Options

- Leadless disks and leaded disks without coating available on request
- Thermistors with diameter $b \leq 11{,}0$ mm are also available on tape (to IEC 60286-2)

Delivery mode

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



Dimensions (mm)

Type	b_{max}	$\varnothing d$	h_{max}
C 943	17,5	0,6	21,0
C 953	13,5	0,6	17,0
C 963	11,0	0,6	14,5
C 973	9,0	0,6	12,5
C 983	6,5	0,6	10,0

General technical data

Max. operating voltage (T_A = 125 °C)	V_{max} [1]	54	VDC
Max. operating voltage ($t \leq 400$ ms)	$V_{max,dyn}$ [2]	58	V
Rated voltage	V_N	42	VDC
Switching cycles (typ.)	N	100	
Reference temperature (typ.)	T_{Ref}	120	°C
Resistance tolerance	ΔR_N	± 20 %	
Operating temperature range (V = 0)	T_{op}	– 40/+ 125	°C
($V = V_{max}$)	T_{op}	– 40/+ 125	°C

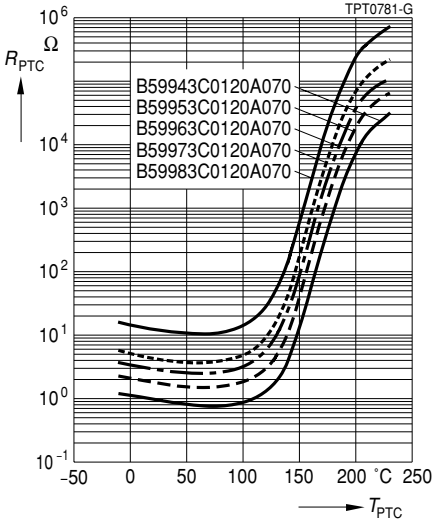
Electrical specifications and ordering codes

Type	I_N	I_S	I_{Smax} (V=V_{max})	I_r (typ.) (V=V_{max})	R_N	R_{min}	Ordering code
	mA	mA	A	mA	Ω	Ω	
C 943	750	1300	8,0	50	1,0	0,7	B59943C0120A070
C 953	430	770	6,0	40	1,8	1,2	B59953C0120A070
C 963	320	560	5,0	30	2,7	1,8	B59963C0120A070
C 973	230	410	4,0	20	4,2	2,9	B59973C0120A070
C 983	140	240	2,0	15	10,0	6,8	B59983C0120A070

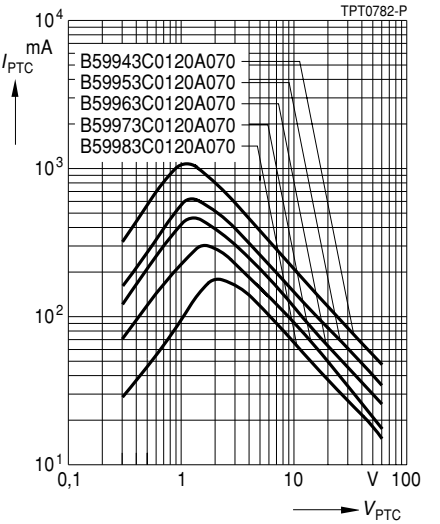
1) To ISO/TC22 WD24V-1E
2) Peak value of maximum DC operating voltage, incl. ripple

Characteristics (typical)

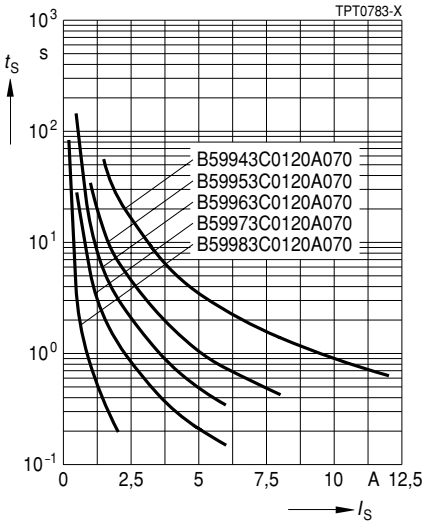
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



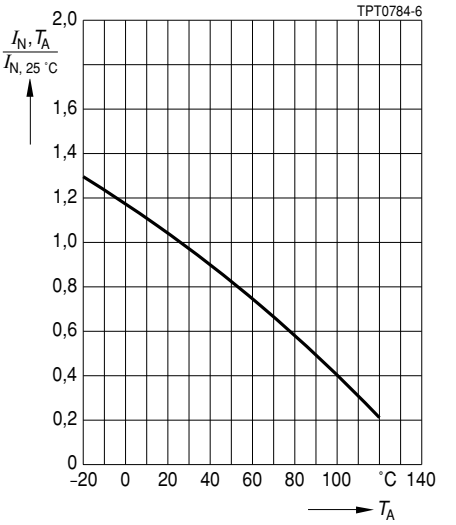
PTC current I_{PTC} versus PTC voltage V_{PTC} (measured at 25 °C in still air)



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)



Herausgegeben von EPCOS AG
Unternehmenskommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND
☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

Bestellungen unterliegen den vom ZVEI empfohlenen Allgemeinen Lieferbedingungen für Erzeugnisse und Leistungen der Elektroindustrie, soweit nichts anderes vereinbart wird.

Diese Broschüre ersetzt die vorige Ausgabe.

Fragen über Technik, Preise und Liefermöglichkeiten richten Sie bitte an den Ihnen nächstgelegenen Vertrieb der EPCOS AG oder an unsere Vertriebsgesellschaften im Ausland. Bauelemente können aufgrund technischer Erfordernisse Gefahrstoffe enthalten. Auskünfte darüber bitten wir unter Angabe des betreffenden Typs ebenfalls über die zuständige Vertriebsgesellschaft einzuholen.

Published by EPCOS AG
Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY
☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.