



Features

- Transparent Plastic Case
- Non-Resettable
- High Accuracy of Functioning Temp.
- RoHS & REACH Compliant

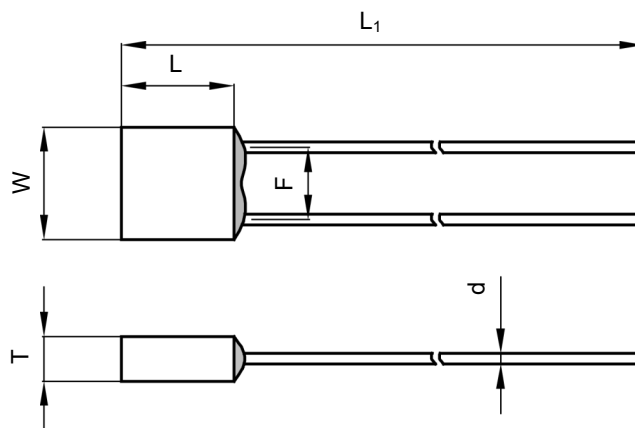
Customization

- Other Temp.
- The Length of Lead Wires
- Taping Packing Available
- Lead Wires can be Insulated
- Tinned Copper Wires or CP Wires

Applications








- Lamps
- Switched-Mode Power Supplies
- Home Electrical Appliances
- Transformers
- Motors
- Batteries

Dimensions (mm)



L	L ₁	W	T	d	F
5.8 ± 0.5	70.0 ± 3.0	5.8 ± 0.5	2.3 ± 0.2	0.54 ± 0.05	3.7 ± 0.5

Specifications








Model	T_f	Fusing Temp.	T_h	T_m	I_r	U_r								RoHS, REACH
	(°C)	(°C)	(°C)	(°C)	(A)	(V)	UL	cUL	TUV	VDE	PSE	KC	CCC	
BT076/03	76	73 ± 2	53	200	3	AC 250	●	●	●	○	●	○	●	●
BT086/03	86	81 ± 2	61	200	3	AC 250	●	●	○	●	●	●	●	●
						DC 60	●	●	○	○	○	○	○	○
BT102/03	102	98 ± 2	79	200	3	AC 250	●	●	○	●	●	●	●	●
						DC 60	●	●	○	○	○	○	○	○
BT115/03	115	111 ± 2	91	200	3	AC 250	●	●	○	●	●	●	●	●
						DC 60	●	●	○	○	○	○	○	○
BT125/03	125	121 ± 2	100	200	3	AC 250	●	●	○	●	●	●	●	●
						DC 60	●	●	○	○	○	○	○	○
BT130/03	130	125 ± 2	106	200	3	AC 250	●	●	○	●	●	●	●	●
BT133/03	133	130 ± 2	111	200	3	AC 250	●	●	○	●	●	●	●	●
BT135/03	135	130 ± 2	111	200	3	AC 250	●	●	○	●	●	●	●	●
BT136/03	136	131 ± 2	112	200	3	AC 250	●	●	○	●	●	●	●	●
			85		4	DC 60	●	●	○	○	○	○	○	○
BT145/03	145	140 ± 2	121	200	3	AC 250	●	●	○	●	●	●	●	●
			100		4	DC 60	●	●	○	○	○	○	○	○
BT150/03	150	145 ± 2	126	200	3	AC 250	●	●	○	●	●	●	●	●
BT160/03	160	154 ± 2	135	200	3	AC 250	○	○	○	○	●	○	●	●
BT187/03	187	182 ± 3	162	250	3	AC 250	○	○	●	○	○	○	○	●
BT205/03	205	199 ± 3	169	250	3	AC 250	●	●	●	○	○	○	●	●
BT221/03	221	218 ± 2	188	250	3	AC 250	●	●	●	○	○	○	●	●

Note :

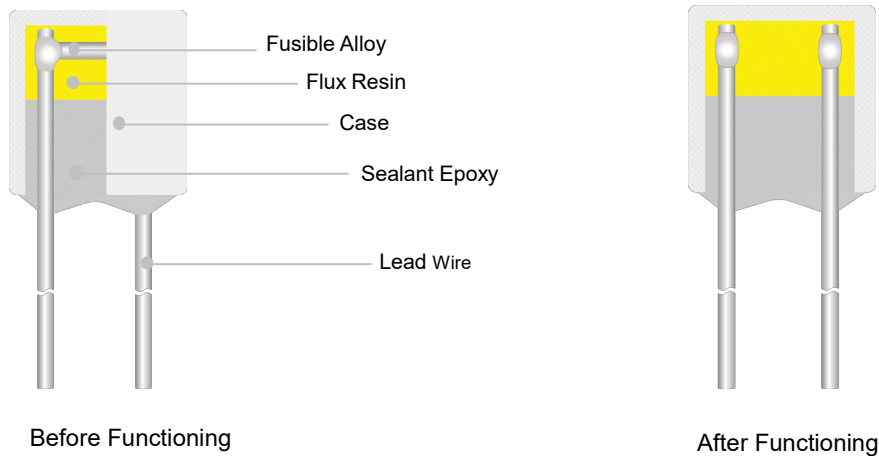
"●"Means certificated.

"○"Means non-certificated.

Agency Approvals

Agency	Standards	File No.
	UL 60691	E214712
	CAN-CSA-E60691	E214712
	EN 60691	R50161779
	EN 60691	40017055
	J60691	PSE16021063 PSE16021064 PSE16021065 PSE16021066 PSE16021067
	K60691	SU05023-6001A SU05023-6003A SU05023-6003B
	GB/T 9816	2020980205000195

Structure Diagrams

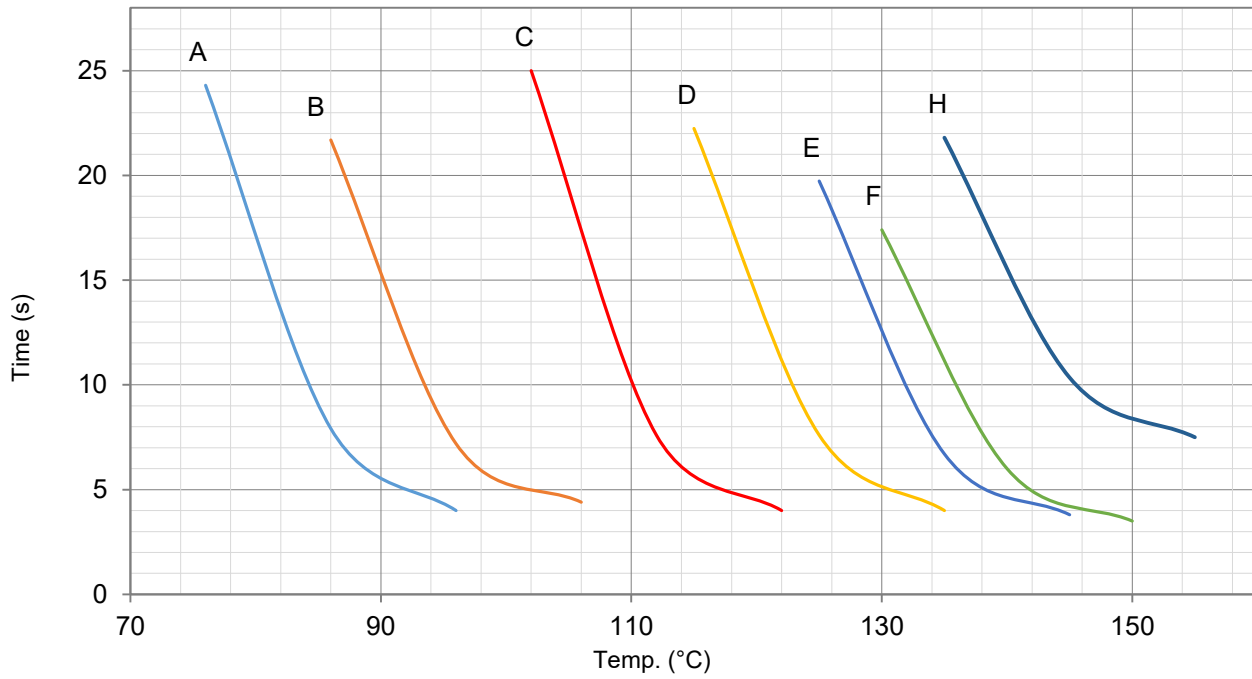


Glossary

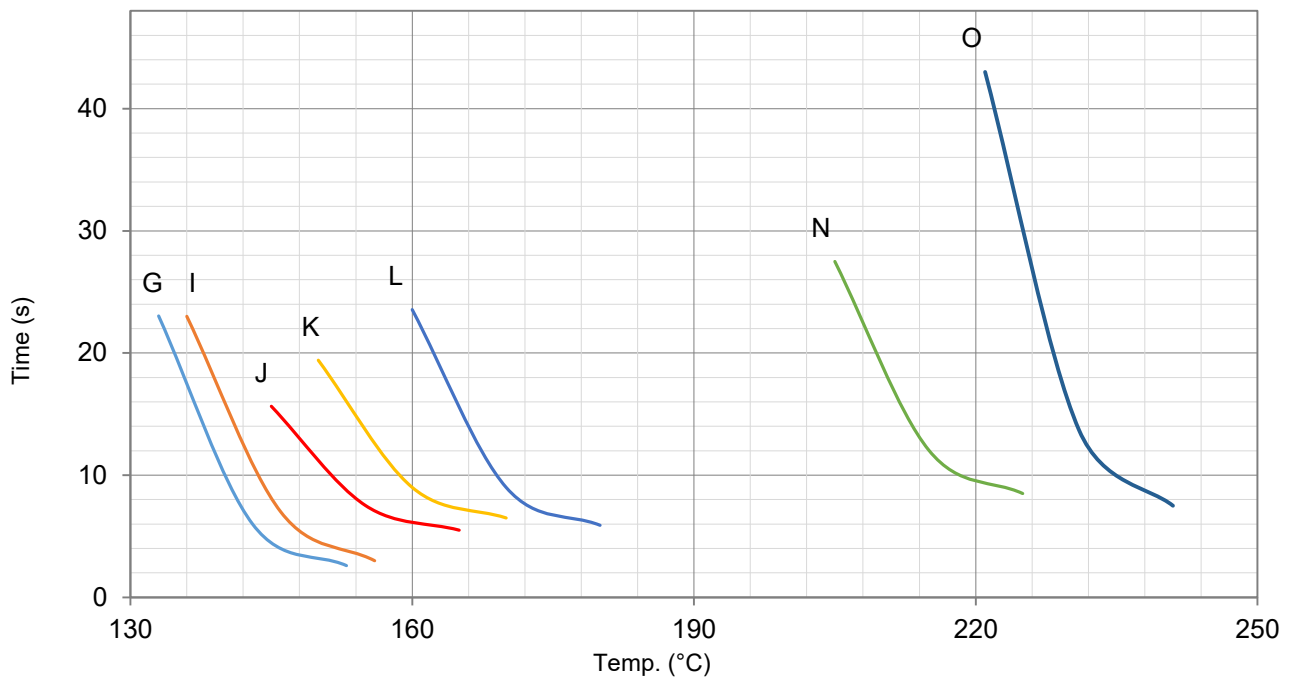
Item	Description
TCO	<p>Thermal-Link</p> <p>A non-resettable device incorporating a THERMAL ELEMENT which will open a circuit once only when exposed for a sufficient length of time to a temperature in excess of that for which it has been designed.</p>
ATCO	<p>Alloy Thermal-Link</p> <p>Alloy Type Thermal-Link, Alloy is the thermal element.</p>
T_f	<p>Rated Functioning Temp.</p> <p>The temperature of the Alloy Thermal-Link which causes it to change the state of conductivity with a detection current up to 10 mA as the only load.</p> <p>Tolerance: $T_f \pm 10^\circ \text{C}$ (GB/T 9816, EN 60691, K60691).</p> <p>Tolerance: $T_f \pm 7^\circ \text{C}$ (J60691).</p>
Fusing Temp.	<p>Fusing Temp.</p> <p>The temperature of the Alloy Thermal-Link which causes it to change its state of conductivity is measured with silicone oil bath in which the temperature is increased at the rate of 0.5 °C to 1 °C / minute, with a detection current up to 10 mA as the only load.</p>
T_h	<p>Holding Temp.</p> <p>The Maximum temperature at which a Alloy Thermal-Link will not change its state of conductivity when conducting rated current for 168 hours.</p>
T_m	<p>Maximum Temp. Limit</p> <p>The temperature of the Alloy Thermal-Link stated by the manufacturer, up to which the mechanical and electrical properties of the Alloy Thermal-Link having changed its state of conductivity, will not be impaired for a given time.</p>
I_r	<p>Rated Current</p> <p>The current used to classify a Alloy Thermal-Link, which is the Maximum current that Alloy Thermal-Link allows to carry and is able to cut off the circuit safely.</p>
U_r	<p>Rated Voltage</p> <p>The voltage used to classify a Alloy Thermal-Link, which is the Maximum voltage that Alloy Thermal-Link allows to carry and is able to cut off the circuit safely.</p>
CP Wire	<p>CP Wire</p> <p>Tinned Copper Plated Wire</p>

Product Temp.-Time Curve (Reference)

The Temp.-Time Curve of Thermal-Link in different temp. oil bath.

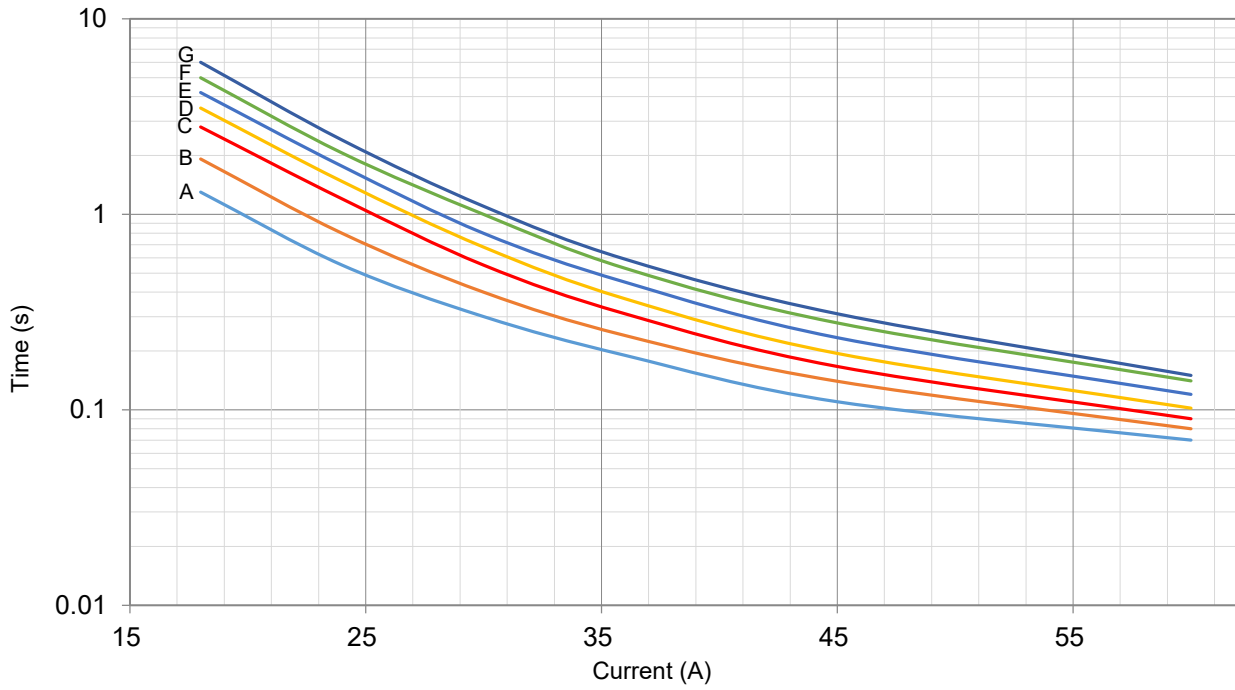


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|--------------|--------------|
| A - BT076/03 | I - BT136/03 |
| B - BT086/03 | J - BT145/03 |
| C - BT102/03 | K - BT150/03 |
| D - BT115/03 | L - BT160/03 |
| E - BT125/03 | M - BT187/03 |
| F - BT130/03 | N - BT205/03 |
| G - BT133/03 | O - BT221/03 |
| H - BT135/03 | |



Product Current-Time Curve (Reference)

The Current-Time Curve shows functioning time at multi-times rated current at room temperature $25 \pm 2 \text{ }^\circ\text{C}$.



- | | |
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