



Features

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

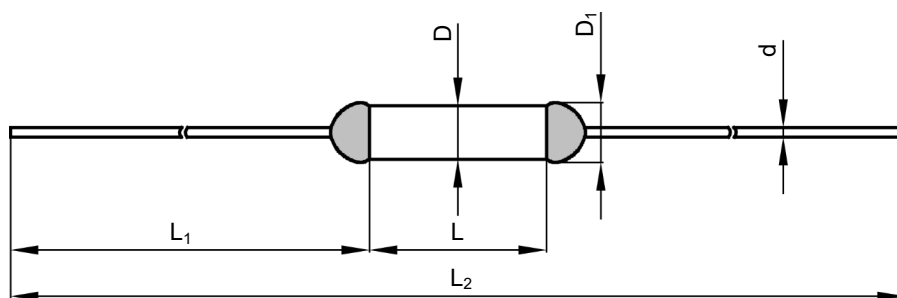
Customization

- Other Temp.
- The Length of Lead Wires
- Taping Packing Available
- Lead Wires can be Insulated

Applications







- Electric Blankets
- Electric Aroma Diffusers
- Home Electrical Appliances
- Motors
- Lamps
- Switched-Mode Power Supplies
- Transformers

Dimensions (mm)



L	L ₁	L ₂	D	D ₁	d
10.0 ± 0.5	35.0 ± 2.0	80.0 ± 3.0	3.0 ± 0.5	≤ 3.5	0.54 ± 0.05

Specifications







Model	T_r	Fusing Temp.	T_h	T_m	I_r	U_r							RoHS, REACH	
	(°C)	(°C)	(°C)	(°C)	(A)	(V)	UL	cUL	TUV	PSE	KTL	CCC		
BT076/03a	76	73 ± 2	53	200	3	AC 250	○	○	●	●	●	●	●	
						AC 125	●	●	○	○	○	○	○	●
						DC 50	●	●	○	○	○	○	○	●
BT086/03a	86	81 ± 2	61	200	3	AC 250	○	○	●	●	●	●	●	
						AC 125	●	●	○	○	○	○	○	●
						DC 50	●	●	○	○	○	○	○	●
BT097/03a	97	93 ± 2	70	200	3	AC 250	○	○	○	○	○	○	●	
						AC 125	●	●	○	○	○	○	○	●
						DC 50	●	●	○	○	○	○	○	●
BT102/03a	102	98 ± 3	79	200	3	AC 250	○	○	●	●	●	●	●	
						AC 125	●	●	○	○	○	○	○	●
						DC 50	●	●	○	○	○	○	○	●
BT115/03a	115	111 ± 2	91	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT125/03a	125	121 ± 2	100	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT130/03a	130	125 ± 2	106	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT133/03a	133	130 ± 2	111	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT135/03a	135	130 ± 2	111	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT136/03a	136	131 ± 2	112	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT139/03a	139	135 ± 2	115	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT145/03a	145	140 ± 2	121	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT150/03a	150	145 ± 2	126	200	3	AC 250	●	●	●	●	●	●	●	
						DC 50	●	●	○	○	○	○	○	●
BT160/03a	160	154 ± 2	135	200	3	AC 250	○	○	●	●	○	●	●	
						DC 60	○	○	●	○	○	○	○	●
BT205/03a	205	199 ± 3	169	250	3	AC 250	○	○	●	●	○	●	●	
						AC 125	●	●	○	○	○	○	○	●
						DC 60	●	●	●	○	○	○	○	●
BT221/03a	221	218 ± 2	188	250	3	AC 250	●	●	●	●	○	●	●	
						AC 125	●	●	○	○	○	○	○	●
						DC 60	●	●	●	○	○	○	○	●

Note :

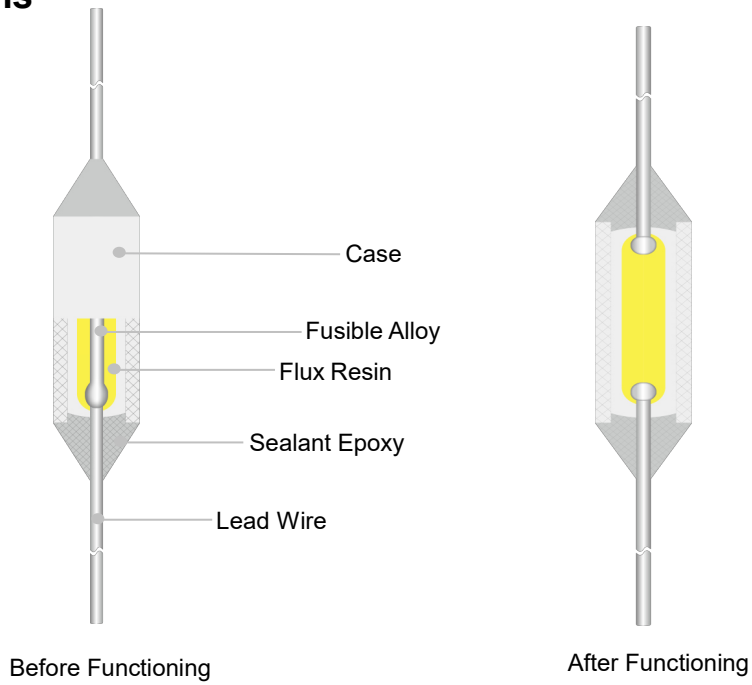
"●"Means certificated.

"○"Means non-certificated.

Agency Approvals

Agency	Standards	File No.
	UL 60691	E214712
	CAN-CSA-E60691	E214712
	EN 60691	R50259434
	J60691	PSE15020870 PSE15020871 PSE15020872 PSE15020873 PSE15020874 PSE15020875 PSE15020876
	K60691	SU05023-11001 SU05023-11002 SU05023-11003
	GB/T 9816	2020980205000186

Structure Diagrams

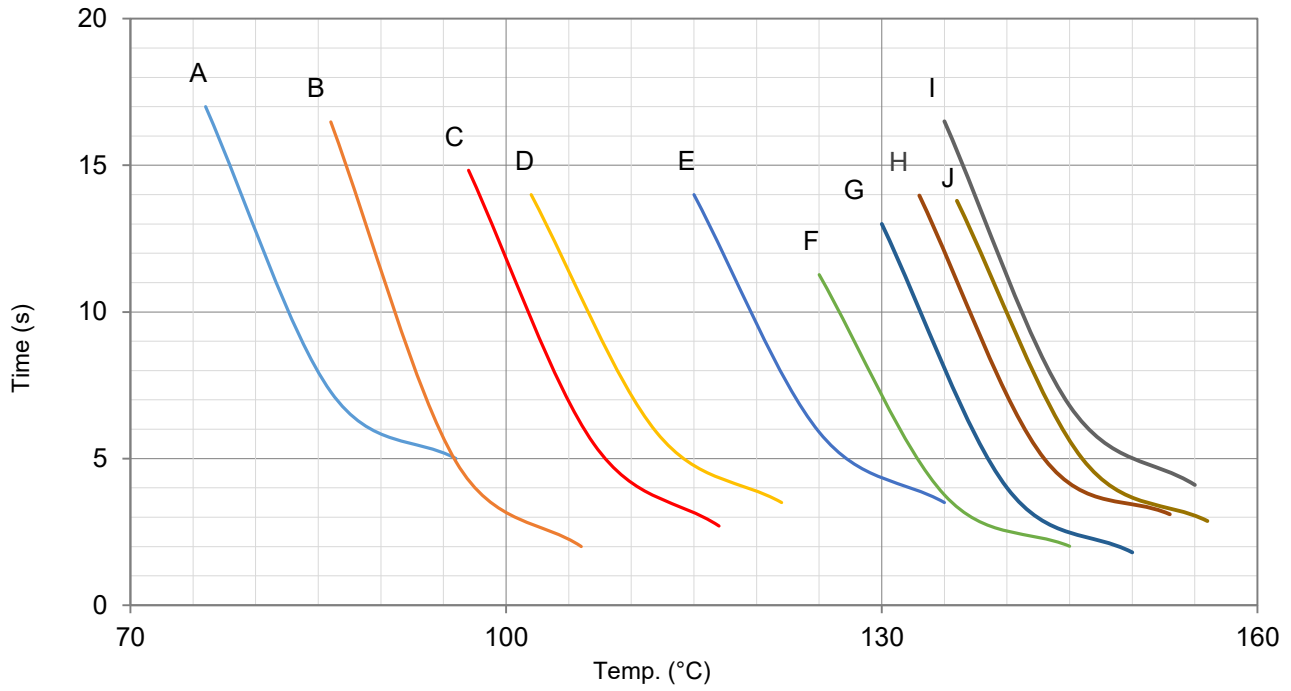


Glossary

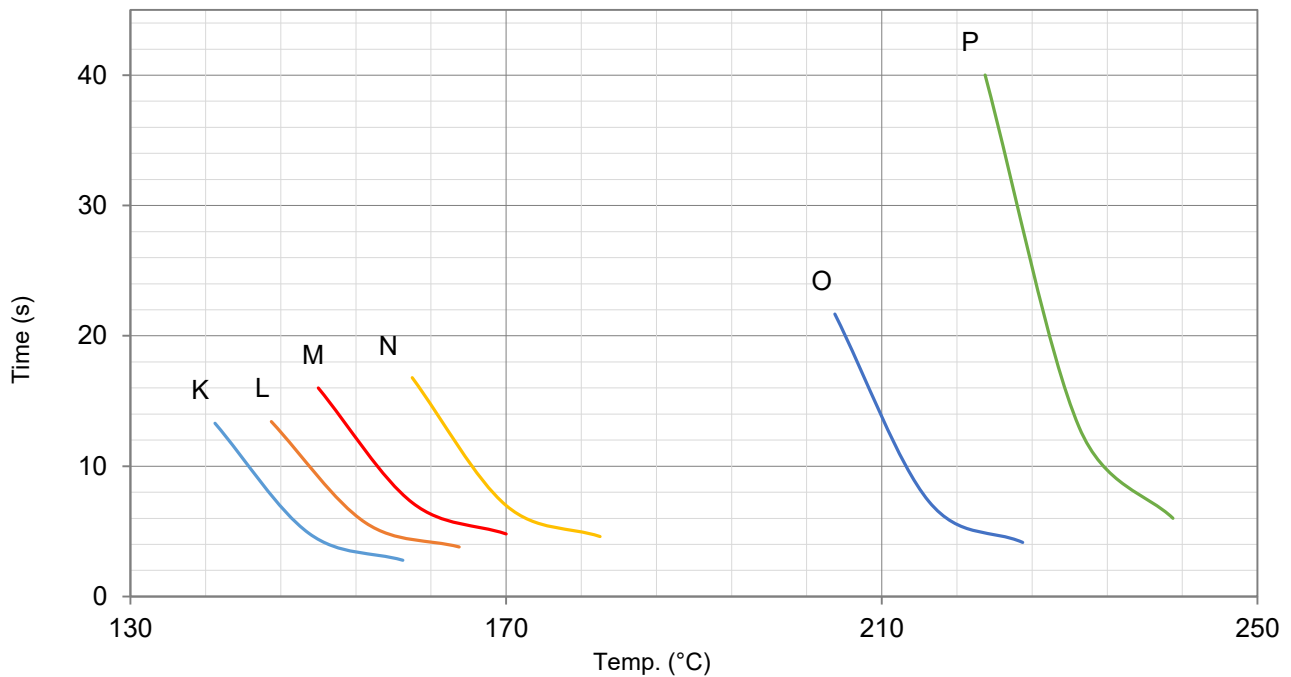
Item	Description
TCO	<p>Thermal-Link</p> <p>A non-resettable device incorporating a THERMAL ELEMENT which will open a circuit once only when exposed for a sufficient length of time to a temperature in excess of that for which it has been designed.</p>
ATCO	<p>Alloy Thermal-Link</p> <p>Alloy Type Thermal-Link, 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.

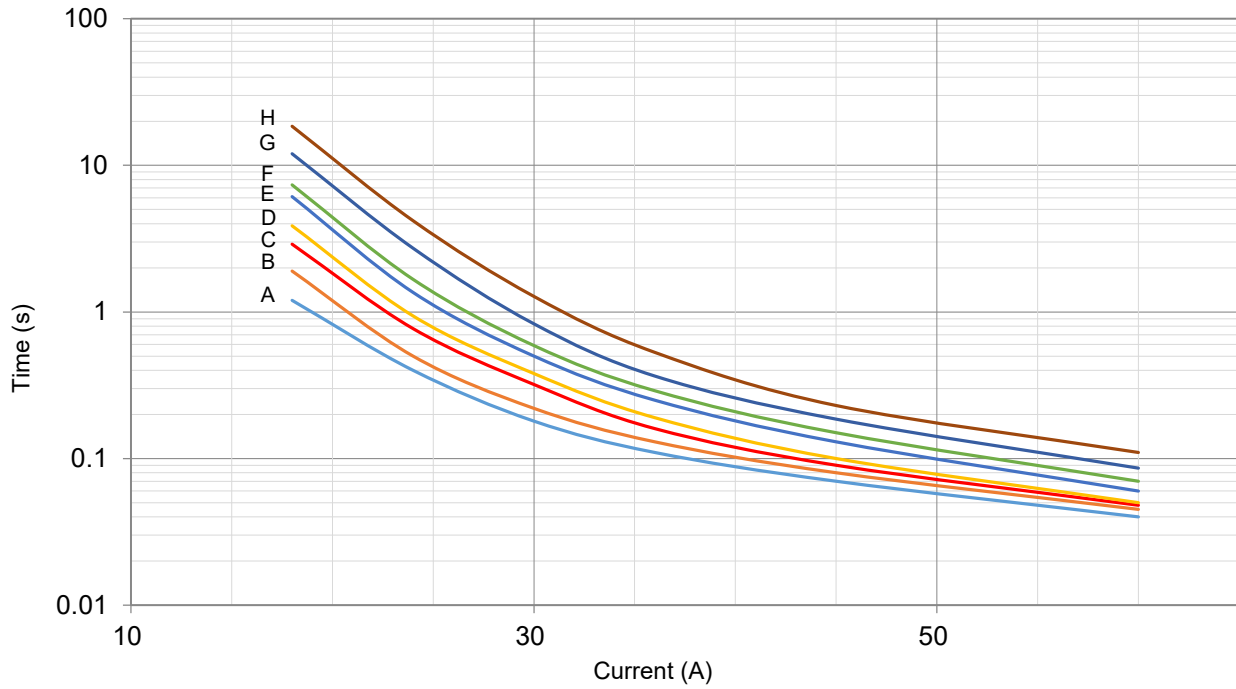


- | | |
|---------------|---------------|
| A - BT076/03a | I - BT135/03a |
| B - BT086/03a | J - BT136/03a |
| C - BT097/03a | K - BT139/03a |
| D - BT102/03a | L - BT145/03a |
| E - BT115/03a | M - BT150/03a |
| F - BT125/03a | N - BT160/03a |
| G - BT130/03a | O - BT205/03a |
| H - BT133/03a | P - BT221/03a |



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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| A - BT076/03a | I - BT135/03a |
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| H - BT133/03a | P - BT221/03a |

