



Features

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

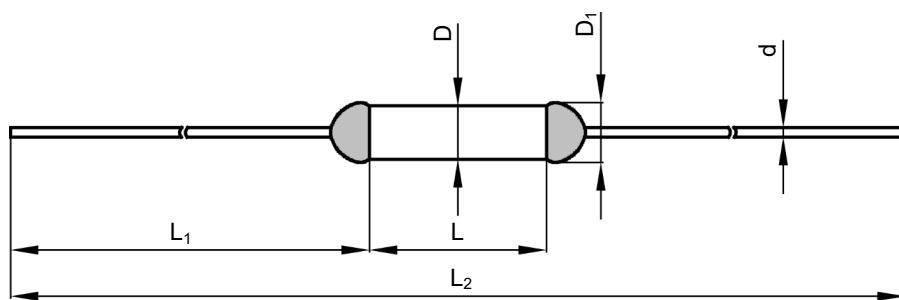
Customization

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

Applications





- Capacitors
- Power Strips
- Home Electrical Appliances
- Motors
- Lamps
- Switched-Mode Power Supplies
- Transformers

Dimensions (mm)



L	L ₁	L ₂	D	D ₁	d
14.0 ± 0.5	33.0 ± 2.0	80.0 ± 3.0	4.0 ± 0.5	≤ 4.5	1.20 ± 0.05

Specifications





Model	T_f	Fusing Temp.	T_h	T_m	I_f	U_f	I_n 8 / 20 μ s (15 Times)	I_{max} 8 / 20 μ s (1 Time)					RoHS, REACH
	(°C)	(°C)	(°C)	(°C)	(A)	(V)	(kA)	(kA)	UL	cUL	TUV	CCC	
BT076/15a	76	73 ± 2	43	200	15	AC 250	5	10	○	○	●	●	●
						DC 60	5	10	○	○	●	●	●
BT086/15a	86	81 ± 2	51	200	15	AC 250	5	10	○	○	●	●	●
						DC 60	5	10	○	○	●	●	●
BT102/15a	102	98 ± 3	72	200	15	AC 250	6	12	○	○	●	●	●
						DC 60	6	12	○	○	●	●	●
BT115/15a	115	111 ± 2	85	200	15	AC 250	6	12	●	●	●	●	●
						DC 60	6	12	○	○	●	●	●
BT125/15a	125	121 ± 2	95	200	15	AC 250	6	12	○	○	●	●	●
						DC 60	6	12	○	○	●	●	●
BT130/15a	130	125 ± 2	100	200	15	AC 250	6	12	○	○	●	●	●
						DC 60	6	12	○	○	●	●	●
BT135/15a	135	130 ± 2	105	200	15	AC 250	6	12	●	●	●	●	●
						DC 60	6	12	○	○	●	●	●
BT145/15a	145	140 ± 2	115	200	15	AC 250	6	12	○	○	●	●	●
						DC 60	6	12	○	○	●	●	●
BT150/15a	150	145 ± 2	120	200	15	AC 250	6	12	○	○	●	●	●
						DC 60	6	12	○	○	●	●	●
BT160/15a	160	155 ± 2	130	200	15	AC 250	6	12	○	○	●	●	●
						DC 60	6	12	○	○	●	●	●
BT205/15a	205	199 ± 3	167	250	15	AC 250	7	14	○	○	●	●	●
						DC 60	7	14	○	○	●	●	●
BT221/15a	221	218 ± 2	186	250	15	AC 250	7	14	●	○	●	●	●
						DC 60	7	14	○	○	●	●	●

Note :

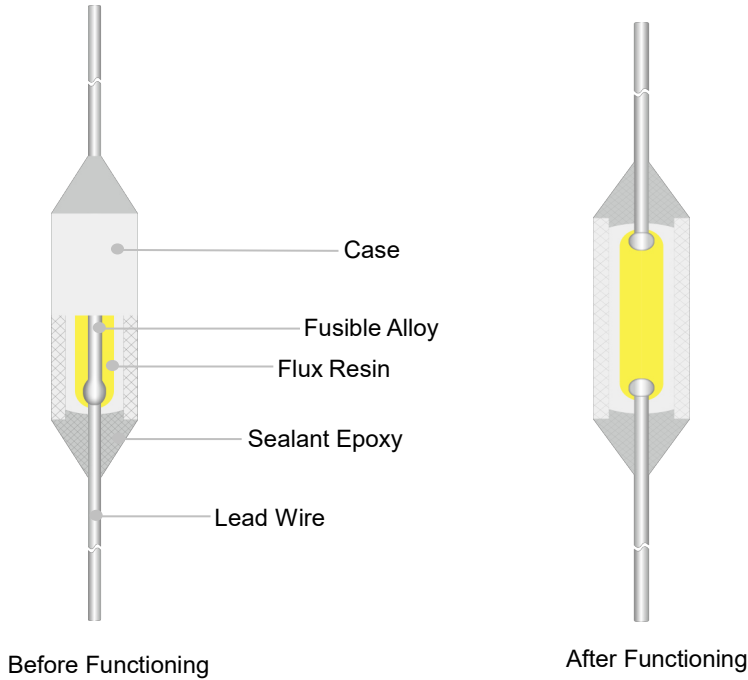
"●"Means certificated.

"○"Means non-certificated.

Agency Approvals

Agency	Standards	File No.
	UL 60691	E214712
	CAN-CSA-E60691	E214712
	EN 60691	R50207621
	GB/T 9816	2020980205000193

Structure Diagrams

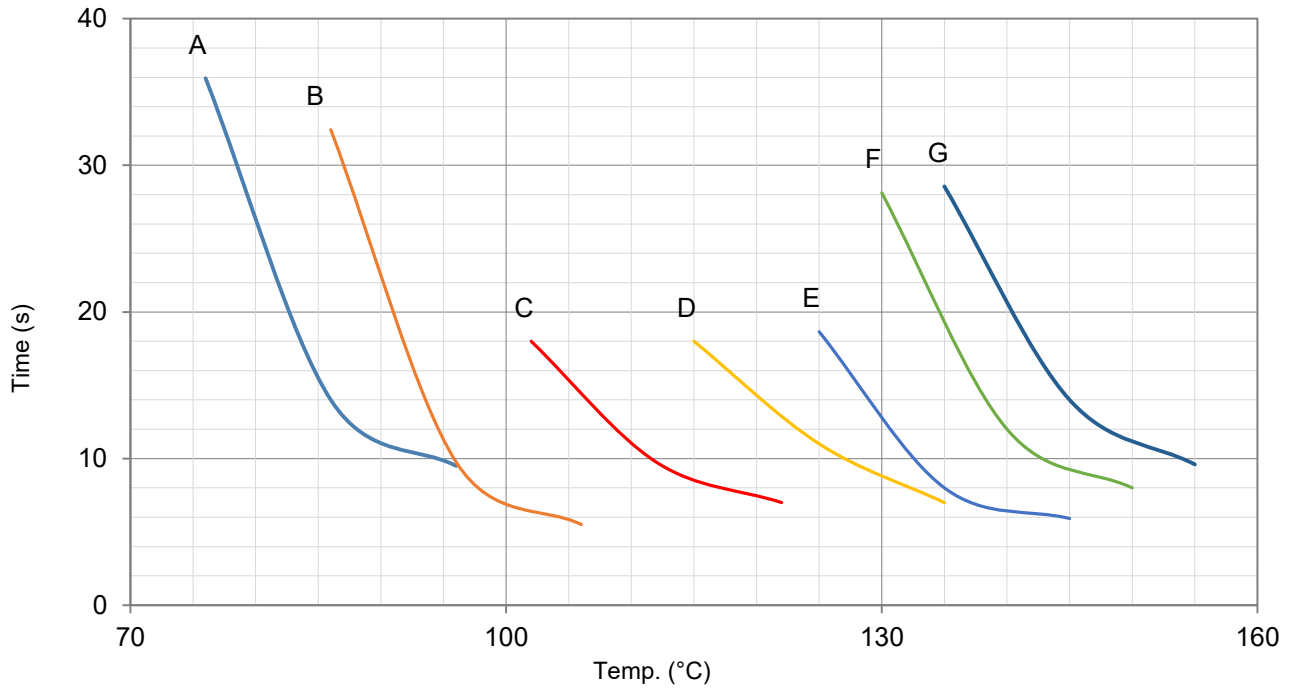


Glossary

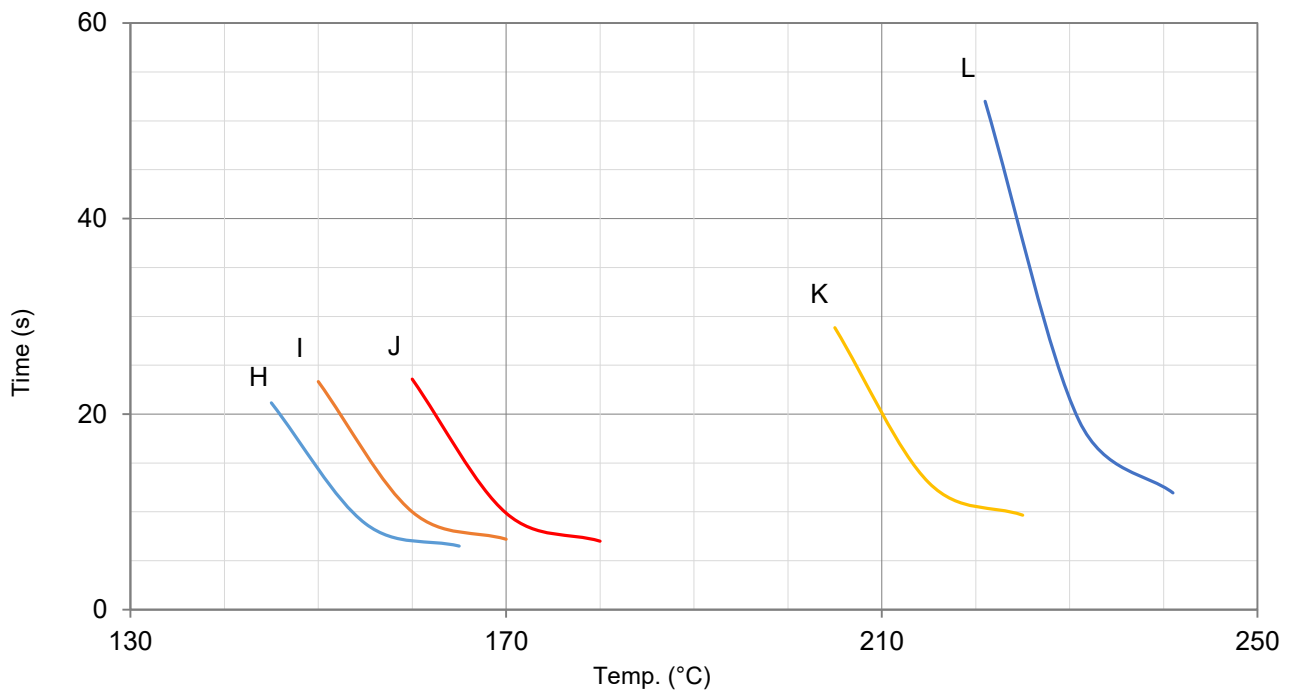
Item	Description
TCO	<p>Thermal-Link</p> <p>A non-resettable device incorporating a THERMAL ELEMENT which will open a circuit once only when exposed for a sufficient length of time to a temperature in excess of that for which it has been designed.</p>
ATCO	<p>Alloy Thermal-Link</p> <p>Alloy Type Thermal-Link, 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>
I_n	<p>Nominal Discharge Current</p> <p>Being able to withstand 15 peak currents of waveform 8 / 20 μs to test the product's durability of withstanding pulse current.</p>
I_{\max}	<p>Maximum Discharge Current</p> <p>Being able to withstand 1 peak current of waveform 8 / 20 μs to test maximum pulse current that the product can with stand.</p>

Product Temp.-Time Curve (Reference)

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

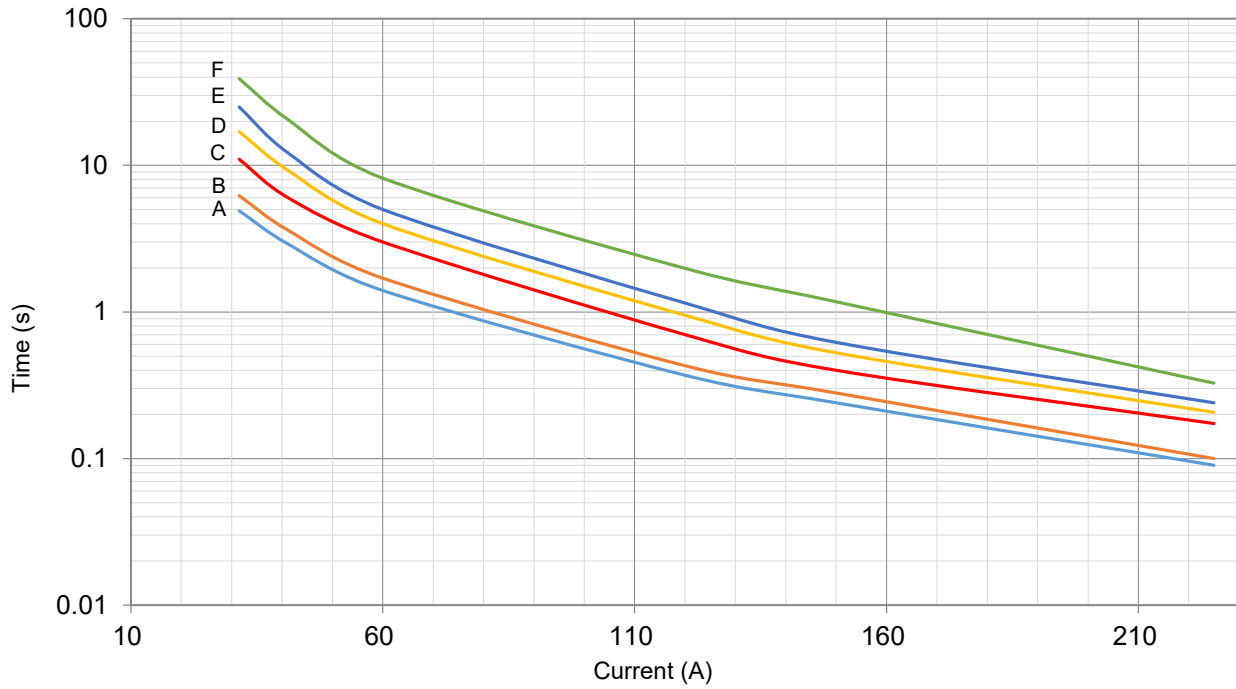


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|---------------|---------------|
| A - BT076/15a | G - BT135/15a |
| B - BT086/15a | H - BT145/15a |
| C - BT102/15a | I - BT150/15a |
| D - BT115/15a | J - BT160/15a |
| E - BT125/15a | K - BT205/15a |
| F - BT130/15a | L - BT221/15a |



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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