

PROVIDING A TOTAL SOLUTION FOR HIGH STANDARD SAFETY CIRCUIT PROTECTION

Alpha Therm GmbH: Ihr Offizieller Vertriebskanal für SETsafe/SETfuse

Die Alpha Therm GmbH mit Sitz in Plankstadt, Deutschland, ist stolz darauf, der offizielle Vertriebskanal für SETsafe/SETfuse in Deutschland, Europa und weltweit zu sein. Unsere langjährige Partnerschaft mit SETsafe/SETfuse basiert auf einem erfolgreichen und vertrauensvollen Geschäftsmodell.

Wir repräsentieren SETsafe/SETfuse auf internationalen Messen wie der Electronica, InterSolar, ees und vielen weiteren. Von kleinen Standardsicherungen bis hin zu komplexen, kundenspezifischen Automotive-Projekten – wir haben alles erfolgreich umgesetzt. Mit unserer umfassenden Lagerhaltung in Deutschland gewährleisten wir schnelle und zuverlässige Lieferungen.

Kontaktieren Sie uns! Unser kompetentes Team berät Sie ausführlich und findet die optimale Lösung für Ihre Anforderungen. Vertrauen Sie auf Alpha Therm GmbH und SETsafe/SETfuse – Ihre Partner für innovative Sicherheitslösungen.

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Alpha Therm GmbH: Your Official Distribution Channel for SETsafe/SETfuse

Alpha Therm GmbH, based in Plankstadt, Germany, is proud to be the official distribution channel for SETsafe/SETfuse in Germany, Europe, and worldwide. Our long-standing partnership with SETsafe/SETfuse is built on a successful and trustworthy business model.

We represent SETsafe/SETfuse at international trade fairs such as Electronica, InterSolar, ees, and many more. From small standard fuses to complex, customized automotive projects, we have successfully handled it all. With our extensive warehousing in Germany, we ensure fast and reliable deliveries.

Contact us today! Our competent team will provide you with detailed advice and find the optimal solution for your requirements. Trust Alpha Therm GmbH and SETsafe/SETfuse – your partners for innovative safety solutions.

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B Series



Description

Alloy Thermal-Link / Alloy Thermal Cutoff (ATCO) is defined as a non-resettable protective device functioning one time only. It is widely used in electrical equipment. ATCO is mainly consist of fusible alloy, flux resin, case, sealant and lead wires. Normally, fusible alloy is jointed to the two lead wires. Under abnormal conditions, when the temp. reaches to the fusing temp. of ATCO, the fusible alloy melts and quickly retracts to the two lead wire ends with the aid of the flux resin and disconnects the circuit completely.

SETsafe | SETfuse Alloy Thermal-Link (ATCO) B series Rated Functioning Temp. from 76 °C to 221 °C, Rated Current: 3 A, safety certification Includes UL, cUL, TUV, PSE, KC, CCC, and complies with RoHS and REACH.

Applications

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

Customization

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

Structure Diagrams

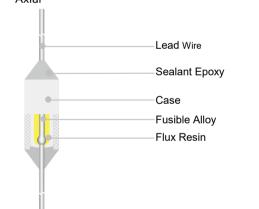
High Accuracy of Functioning

RoHS & REACH Compliant

Features

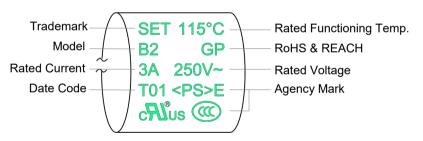
Temp.

Non-Resettable



Marking

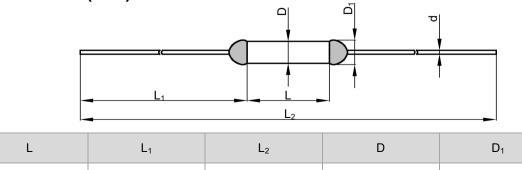
Axial (Color for reference only)



Remark: The first letter of the Date Code Year/quarter A stands for 2000, B stands for 2001, 01 stands for the first quarter, 02 stands for the second quarter, and so on.

Dimensions (mm)

 10.0 ± 0.5



80.0 ± 3.0

35.0 ± 2.0

≤ 3.5

d

 0.54 ± 0.05

 3.0 ± 0.5

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Specifications

		Model	Fusing Temp.	T _h	T _m	I _r	Ur	AI ®	c FL ®	\triangle	AS A	ß	()	RoHS REACH
			(°C)	(°C)	(°C)	(A)	(V)	UL	cUL	TUV	PSE	KC	CCC	READI
							AC 250	•	•	•	•	0	•	•
	221	B31	218 ± 2	188	250	3	AC 125	•	•	0	•	0	0	•
							DC 60	•	•	•	0	0	0	•
							AC 250	0	0	•	•	0	•	•
	205	B32	199 ± 3	169	250	3	AC 125	•	•	0	•	0	0	•
							DC 60	•	•	•	0	0	0	•
	187	B17	182 ± 3	162	250	3	AC 250	•	•	•	•	•	•	•
							DC 60	•	•	•	0	0	0	•
	160	B16	154 ± 2	135	200	3	AC 250	0	0	•	•	0	•	•
		510					DC 60	0	0	•	0	0	0	•
•	150	B7	145 ± 2	126	200	3	AC 250	•	•	•	•	•	•	•
2	150	07	140 ± 2	120	200	0	DC 50	•	•	0	0	0	0	•
f	145	B6	140 ± 2	121	200	3	AC 250	•	•	•	•	•	•	•
(†)	145	DO	140 1 2	121	200	5	DC 50	•	•	0	0	0	0	•
	400	D 42	135 ± 2	115	200	3	AC 250	•	•	•	•	•	•	•
	139	B13	155 1 2	115	200	5	DC 50	•	•	0	0	0	0	•
b	400	50	121 + 2	112	200	2	AC 250	•	•	•	•	•	•	•
	136	B9	131 ± 2	112	200	3	DC 50	•	•	0	0	0	0	•
ת	10.5	135 B5 130 ± 2 111 200 3 AC 2						•	•	•	•	•	•	•
	135	B5	130 ± 2	111	200	3	DC 50	•	•	0	0	0	0	•
5	100	50	120 1 2	444	200	2	AC 250	•	•	•	•	•	•	•
5	133	B8	130 ± 2	111	200	3	DC 50	•	•	0	0	0	0	•
			105 + 0	400	000	•	AC 250	•	•	•	•	•	•	•
	130	B4	125 ± 2	106	200	3	DC 50	•	•	0	0	0	0	•
5			101 + 0	400	000	•	AC 250	•	•	•	•	•	•	•
D I	125	B3	121 ± 2	100	200	3	DC 50	•	•	0	0	0	0	•
Valed							AC 250	•	•	•	•	•	•	•
	115	B2	111 ± 2	91	200	3	DC 50	•	•	0	0	0	0	•
							AC 250	0	0	•	•	•	•	•
	102	B1	98 ± 3	79	200	3	AC 125	•	•	0	•	0	0	•
							DC 50	•	•	0	0	0	0	•
							AC 250	0	0	0	•	0	0	•
	97	B21	93 ± 2	70	200	3	AC 125	•	•	0	•	0	0	•
							DC 50	•	•	0	0	0	0	•
							AC 250	0	0	•	•	•	•	•
	86	B18	81 ± 2	61	200	3	AC 125	•	•	0	•	0	0	•
							DC 50	•	•	0	0	0	0	•
							AC 250	0	0	•	•	•	•	•
	76	В0	73 ± 2	53	200	3	AC 125	•	•	0	•	0	0	•
		-					DC 50	•	•	0	0	0	0	•

Note:

1: "●"Means certificated, "○"Means non-certificated, RoHS & REACH Compliant .

2: " * "Customizable DC voltage.

B Series

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Agency Information

Institution	Standards	The File No. and certification No. obtained by SETsafe SETfuse
RU ®	UL 60691	E214712
c FN®	CAN-CSA-E60691	E214712
$\boldsymbol{\mathbb{A}}$	EN 60691	R50259434
PS E	J60691	JET2121-32001-2021、JET2121-32001-2022 JET2121-32001-2023、JET2121-32001-2024 JET2121-32001-2025、JET2121-32001-2026 JET2121-32001-2027、JET2121-32001-2028
<u>ک</u>	K60691	SU05023-11001、SU05023-11002 SU05023-11003
	GB 9816.1	2020980205000186

Soldering

Hand-Soldering

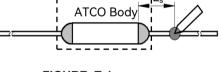
- 1. Soldering should be carried out according to Table T-1.
- The thermal element of ATCO is fusible alloy with low melting point, which is jointed with ATCO lead wires. Improper soldering operation (too high soldering temp., too long soldering time, too short lead wire etc.) may transfer more heat to the thermal element and ATCO may open in advance.
- 3. When soldering conditions are more severe than those listed in Table T-1, a heat sink fixture should be used between soldering point and ATCO body.
- 4. When soldering, please do not pull / push or twist ATCO body or lead wires.
- After soldering, let it naturally cool for longer than 20 seconds. During cooling, never move the ATCO body or lead wires.

TABLE T-1 Hand-Soldering Time

Rated Functioning Temp.		Max. Allow	vable Sol	dering Tin	ne for Differer	nt Lead V	Vire Lengt	h (Fig.T-1)		Max. Soldering Temp.
(<i>T</i> _f)	Ls	Time)	L _s	Time		L _s	Tim	e	
	Length -	Tinned Copper Wire	CP Wire	Length	Tinned Copper Wire	CP Wire	Length	Tinned Copper Wire	CP Wire	
(°C)	(mm)	(s)	(s)	(mm)	(s)	(s)	(mm)	(s)	(s)	(°C)
76 to 101	10	1 ^a	4	20	2	5	30	3	6	
102 to 115	10	1 ^a	4	20	2	5	30	3	6	
116 to 135	10	1 ^a	4	20	3	6	30	5	8	400
136 to 150	10	3	6	20	5	8	30	5	8	
151 to 221	10	4	7	20	6	9	30	7	10	

Note:

a: Auxiliary Heat Sink Fixture is Required to Avoid ATCO Cutting off Unexpectedly.



Soldering

Position

FIGURE T-1

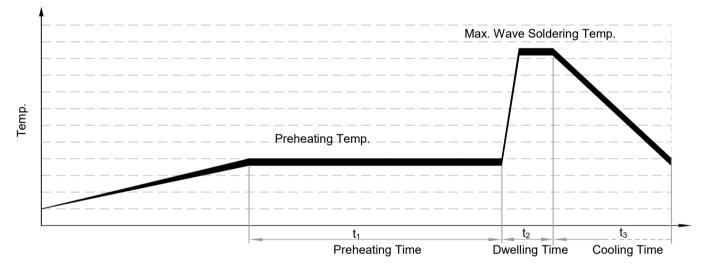
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Wave Soldering

The wave soldering parameters as Table T-2, for reference only, when ATCO is for practice use, you need to do some validation experiments. For example, using X-RAY to see the fusible alloy of ATCO whether damage after wave soldering.

TABLE T-2 Wave Soldering Parameters Setting

Rated Functioning Temp.	Who			ng Temp. re is Different	Preheating Time (t ₁)	Max. Wave Soldering	Dwelling Time (t ₂)	Cooling Time (t ₃)
(<i>T</i> _f)	L₅ Length	Preheating Temp.	L _s Length	Preheating Temp.		Temp.		
(°C)	(mm)	(°C)	(mm)	(°C)	(s)	(°C)	(s)	(s)
76 to 130				Recommend	I Hand-Soldering	I	· · · · · · · · · · · · · · · · · · ·	
131 to 150	20	80	30	90	< 60	≤ 260	≤ 3	≤ 10
151 to 221	20	90	30	100	< 60	≤ 260	≤ 3	≤ 10



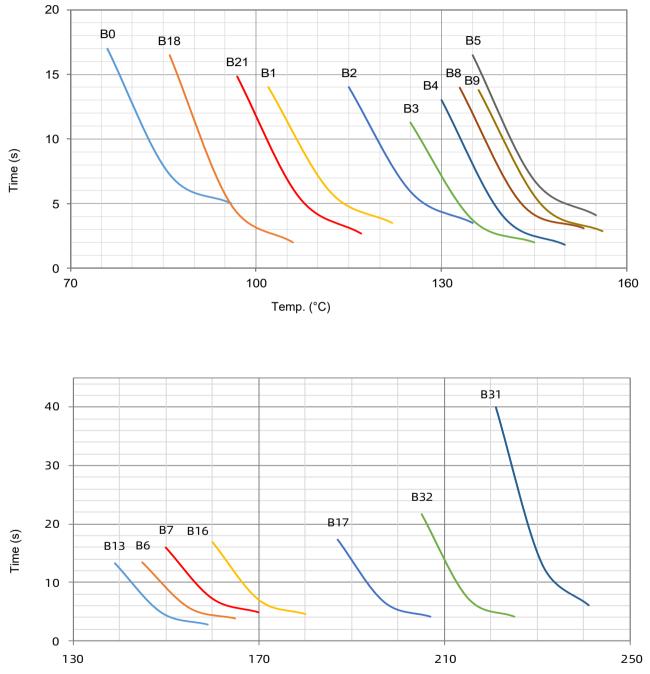
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Thermal-Link (ATCO)-Alloy Type

Product Temp.-Time Curve (Reference)

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



Temp. (°C)

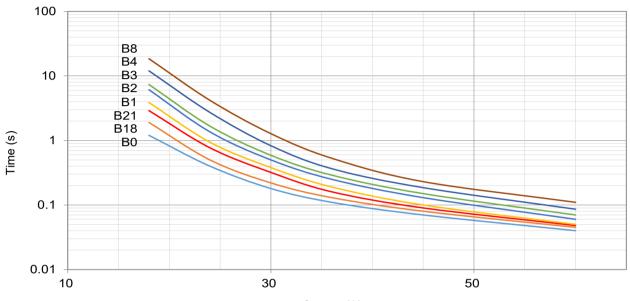
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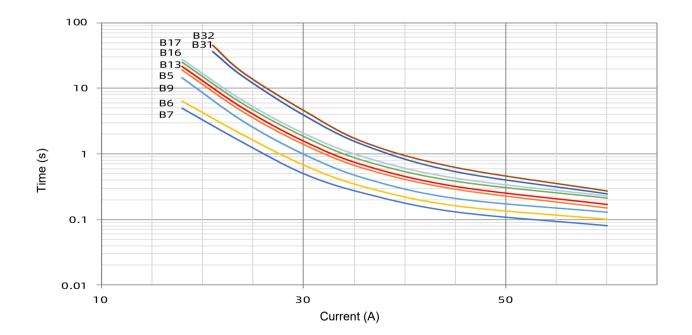
Thermal-Link (ATCO)-Alloy Type

Product Current-Time Curve (Reference)

The Current-Time Curve shows functioning time at multi-times rated current at room temperature 25 ± 2 °C.







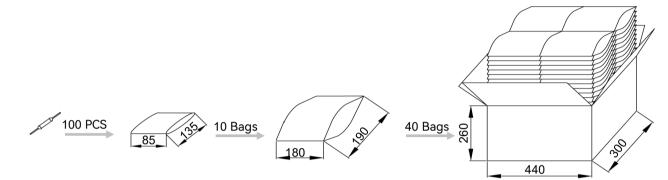


B Series

Packaging Information

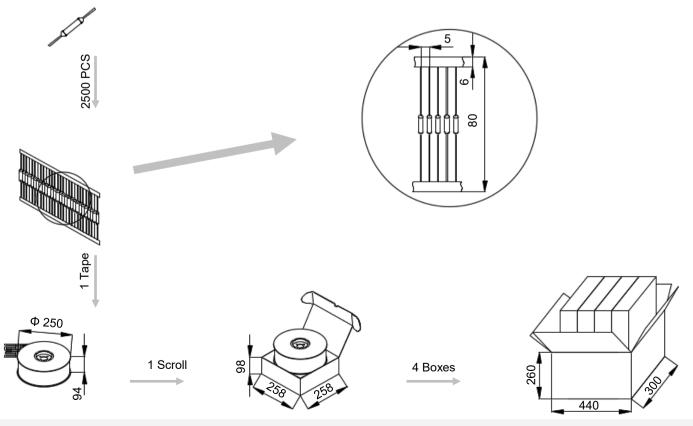
Bulk

Item	PE Bag	PE Bag	Carton
Dimensions (mm)	135 × 85	190 × 180	440 × 300 × 260
Quantity (PCS)	100	1000	40000
Gross Weight (kg)		·	15.0 ± 10%



Taping

Item	Scroll	Box	Carton
Dimensions (mm)	Φ 250 × 94	258 × 258 × 98	480 × 300 × 260
Quantity (PCS)	2500	2500	10000
Gross Weight (kg)			5.6 ± 10%





B Series

Glossary

Item	Description
тсо	Thermal-Link 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. — (GB 9816.1)
АТСО	Alloy Thermal-Link Alloy Type Thermal-Link, Alloy is the thermal element. — (GB 9816.1)
T _f	Rated Functioning Temp. 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.
	— (GB 9816.1) Tolerance: <i>T</i> _f °C (GB 9816.1, EN 60691, K60691). Tolerance: <i>T</i> _f ± 7 °C (J60691).
Fusing Temp.	Fusing Temp. 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. — (GB 9816.1)
T _h	Holding Temp. The Maximum temperature at which a Alloy Thermal-Link will not change its state of conductivity when conducting rated current for 168 hours. — (GB 9816.1)
T _m	Maximum Temp. Limit 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. — (GB 9816.1)
Ir.	Rated Current 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. — (GB 9816.1)
U,	Rated Voltage 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. — (GB 9816.1)
I _n	Nominal Discharge Current Being able to withstand 15 peak currents of waveform 8/20 µs to test the product's durability of withstanding pulse current. — (UL 1449)
I _{max}	Max. Discharge Current Being able to withstand 1 peak current of waveform 8/20 µs to test max. pulse current that the product can withstand. — (UL 1449)

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B Series



ATTENTION

Usage

- 1. When atmosphere pressure is from 80 kPa to 106 kPa, the related altitude shall be from 2000 meters to 500 meters.
- 2. Operating voltage less than rated voltage of ATCO, operating current less than rated current of ATCO.
- 3. Do not touch the ATCO body or lead wires directly when power is on, to avoid burn or electric shock.

Replace

ATCO is a non-repairable product. For safety sake, it shall be replaced by an equivalent ATCO from the same manufacturer, and mounted in the same way.

Storage

Do not store the ATCO at the high temp., high humidity or corrosive gas environment, avoid influencing the solder-ability of the lead wires, the product shall be used up within 1 year after receiving the goods.

Installation

Make Sure the Temp. of Installation Position.

- 1. It is recommended that a dummy ATCO with inbuilt thermo-couple shall be used to determine the proper temp.
- 2. The terminal product should be tested to ensure that potential abnormal conditions do not cause ambient temp. to exceed the T_m of the ATCO.
- 3. Mount the ATCO at the location where temp. rises evenly.

Installation position of mechanical performance requirements.

- 1. Do not locate the ATCO in a place where severe vibration always occurs.
- 2. Ensure that the lead wire is long enough, and avoid actions such as press, tensile or twist.
- 3. The seal or body of ATCO must not be damaged, burned or over heated.



B Series

Mechanical Connection

Riveting

- 1. Choose small resistivity riveting material and be riveted.
- 2. A flexible lead or lead with low resistance should be used to rivet the ATCO.
- 3. Contact resistance should be minimal, large contact resistance will lead to higher temp., ATCO Functioning in advance.

Crimping

- 1. Choose small resistivity crimping material and be crimped.
- 2. A flexible lead or lead with low resistance should be used to rivet the ATCO.
- 3. Contact resistance should be minimal, large contact resistance will lead to higher Temp., ATCO Functioning in advance.

Lead Wire Forming

- 1. If lead wire has to be bent, please pay attention to the distance between body and bending point. Refer to Table T-3.
- 2. When bending leads, please use pincher or similar tools to fix the product as shown in Fig.T-2, to avoid damaging the product.
- 3. During forming and mounting, lead wire should not be cut, nicked, bent sharply, to avoid breaking the product.
- 4. Tangential forces on the leads must be avoided (i.e. pushing or pulling on the leads at angle to ATCO body) as such forces may damage the seal of ATCO.

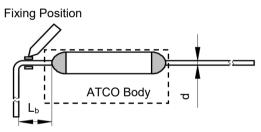


FIGURE T-2

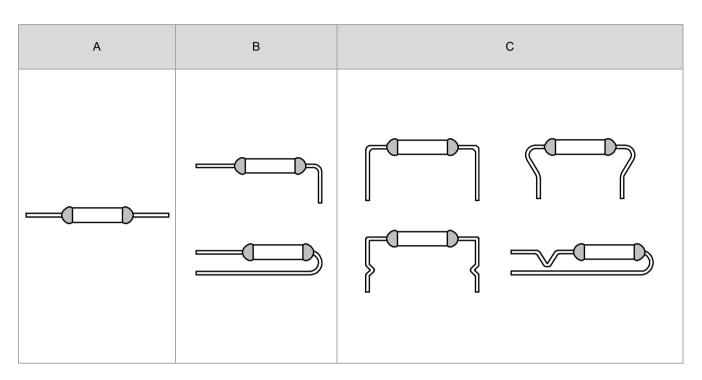
TABLE T-3 Distance between Body and Bending Point

	d	(mm)	< 1.0	1.0 - 1.2	> 1.2
Circular lead	L _b	(mm)	≥ 3	≥5	≥ 10

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Leads Forming Types The below leads forming is for reference, more leads forming can be customized. Axial





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											M	od	el										/			
0	TK221	TKODE		С	0	TK160	TK150	TK145	С	0	TK135	0	TK130	TK125	0	0	TK115	0	TK102	0	0	0	0	15 16		
SE230		c	00010	SE200	0	0	SE150	SE145	С	0	SE135	0	0	SE125	0	0	SE115		SE102	0	0		0	10		
SKL230		c		SKL200	0	0	0	0	c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10		
0	SK221	SKODE		C	0	SK160	SK150	SK145	0	0	SK135	0	SK130	SK125	0	0	SK115	0	SK102	0	0	0	0	10		
0	XG31	YG37	2004	0	0	XG16	XG7	XG6	С	XG9	XG5	XG8	XG4	XG3	0	0	XG2		XG1	0	0	XG18	XG0	ю		
0	KG31	KG37	3004	0	0	KG16	KG7	KG6	С	KG9	KG5	KG8	KG4	KG3	0	0	KG2	0	KG1	0	0	KG18	KG0	2		
0	0	c	0	С	0	0	G150	0	C	G136	0	0	G130	G125	0	0	G115	0	G102	0	0	0	0	40		
0	0	C		С	0	0	N150	0	c	N136	0	0	N130	N125	0	0	N115	0	N102	0	0	0	0	30		
0		C) (С	0	0	0	0	C	Q136	0	0	0	0	0	0	Q115	0	0	0	0	0	0	25		
0		c		С	0	0	0	0	c	P136	0	0	0	0	0	0	P115	0	0	0	0	0	0	20	250	
0	0	C		С	0	0	T150	0	C	T136	0	0	0	T125	0	0	T115	0	T102	0	0	0	0	15 16	(N	
0		C) (С	0	0	S150	0	С	S136	0	0	0	S125	0	0	S115	0	S102	0	0	0	0	10		
0		C		С	Υ17	Υ16	77	У6	С	6۲	0	Υ8	Υ4	۲3	0	0	Y2		۲۲	0	0	Υ18	γo	5		
0	X31	X32	102	С	X17	X16	۲X	9X	С	6X	X5	X8	X4	×	0	0	X	0	X1	0	0	X18	0X	ю		
0	K31	K30	102	С	K17	K16	K7	9X	С	6X	K5	К8	K4	ŝ	0	0	X	0	¥	0	0	K18	KO	7		
0	0	C) (С	0	F16	F7	F6	C		0	8 2	F4	F3	0	0	F2	0	Ε	0	0	F18	FΟ	-		
0	R31	P30	10	С	0	R16	R7	R6	С	0	R5	0	R4	R3	0	0	R2	0	Я	0	0	R18	RO	15		
0	1131	1132	400	С	0	U16	L U	00	С	0	U5	0	U4	U3	0	0	U2	0	5	0	0	U18	NO	10		\square
0	C31	633	400	С	0	C16	C7	90 0	C13	00	C5	80 80	04 0	ទ	0	0	S	0	ы С	C21	0	C18	CO	2		Î
0	B31	B33	100	С	0	B16	B7	B6	B13	80 80	B5	B8	B4	B3	0	0	B2	0	B1	B21	0	B18	BO	ю		Ļ
0	H31	H32	10	С	0	H16	H7	9H	H13	유 위	H5	H8	H4	H3	0	0	H2	0	Ħ	H21	0	H18	ОН	5		
0	V31	132	10.	С	0	V16	77	V6	V13	62	V5	V8	Λ4	٧3	0	0	V2	0	7	V21	0	V18	0/	-		
230	221	205		200	187	160	150	145	130	136	135	133	130	125	123	120	115	105	102	97	95	86	76	A) urrent	AC) Mage	uct ture
					:) 。	(!	L)	.q	ພອ	Цf	bui	uo	ito	ur	Ы	рә	te:	Ы					Ir (A) Rated Current	Ur (VAC) Rated Voltage	Product Structure

Thermal-Link (ATCO)-Alloy Type Feature & Model List Overview

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B Series

0	0	0	0	0	0	- HL7 H	HC6 HN145 HL6 HW6	0	 HN136 O 	HC5 O HL5 HW5	od 0 0	HL4 HW4	HC3 HN125 HL3 HW3	0	0 0 0	HC2 0 HL2 HW2	0	HC1 O HL1 HW1	0 0 0	0 0 0	HC18 O HL18 HW18	HC0 O HL0 HW0	5 15 10 15	008	
0	0	0	0	0	0	0	HS145 HP145 H	0	HS136 HP136	• •	0	0	HS125 HP125 H	0	0	• О	0	і 0 0	0	0	0 0	й 0	5 10		
0	0	0	0		0	-	HU6 HR6 H	0	0	HU5 HR5	0	HU4 HR4	HU3 HR3 F	0	0	HU2 HR2	0	HU1 HR1	0	0	HU18 HR18	HU0 HR0	10 15	500	
0	0	0	0	0	0		0		P136 Q136	0	0		P125 Q125	0	0	P115 Q115	0	P102 Q102	0	0	0	0	20 25	400	
0	0	0	0		0	Â	0		0	KM5 XM5	0	KM4 XM4	KM3 XM3	0	0	0	0	0	0	0	0	0	2 3	320	
0	0	0	0	0	0	0	0	0	TM136 Q136	• •	0	0	x 0	0	0	TM115 Q115	0	TM102 0	0	0	0	0	15 25 16 25		
0	0	0	0		0	SM150	0		SM136		0	0	0	0	0	SM115 TM	0	SM102 TM	0	0	0	0	10		
0	0	0	0		0	ŕ	0	0	49 YM9	0	0	Υ4 YM4	0	0	0	0	0	0	0	0	0	0	5 5	300	
0	0	0	0	0	0	^	0	0	0	KM5 XM5	0	KM4 XM4	0	0	0	0	0	0	0	0	0	0	2 3		
0	0	0	0	0	0	0	SY145 TY145	0	0	0	0	SY130 TY130	SY125 TY125	0	SY120 TY120	SY115 TY115	SY105 TY105	0	0	SY95 TY95	0	0	10 15	250	
230	221	205	200	187	160		145	139	136	135	133	130	125	123	120	115 GQ	105	102	97	95	86	76	Ir (A) Rated Current	Ur (VAC) Rated Voltage	Product Structure

B Series

SET safe | SET fuse

N31 H31 0 V32 H32 0 0 0 0	0		0	0		0		⊢		⊢	⊢	\vdash	0
0 0 V32	• • •	0			C31						U31	R31	
0	0		0	0		0							0
	0		0	0		0							0
0 0 0	0		0	0		0							0
0 V16 H16	0		0	0		0							0
C7 0	0		0	0		0							0
ି ୧୧	0		0	0		0							0
 C13 O 		••	SF13	V13		0						0	R13
ං රට	0		0	0		0							0
े C2	0		0	0		0	-						0
ം ട	0		0	V8		0							0
C4	0		0	V4		0							0
്	0		0	0		0							0
0	0		0	0		0							0
0	0		0	0		0							0
د 2	0		0	V2		0							0
0 0 0	0		0	0		0							0
C1 0	0		0	0		0							0
C21 0 0	0		0	0		0						0	0
	0		0	0		0						0	0
C18 0	V18		0	0	-	018						R18	0
0 0	0		0	0		0			_	-		ß	0
5 7 1 2	2.5 3	ю	5	4	5	9	80	i. L	g	10	10	15	15
) 	60		 						
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		Axia	Axial Shape										

SET safe | SET fuse

B Series

											M	od	el										/			
C	С	0	0	0	0	0	HN150	0	0	HN136	0	0	0	HN125	0	0	0	0	0	0	0	0	0	15		ectrode)
C	C	0	0	0	0	0	HP150	0	0	HP136	0	0	0	HP125	0	0	0	0	0	0	0	0	0	10	200	Axial Shape (Flat Electrode)
C	С	0	0	0	0	0	HS150	0	0	HS136	0	0	0	HS125	0	0	0	0	0	0	0	0	0	5		Axial Sh
C	С	0	0	0	0	0	QD150	0	0	QD136	0	0	QD130	QD125	0	0	QD115		QD102	0	0	0	0	25		
C	С	0	0	0	0	0	PD150	0	0	PD136	0	0	PD130	PD125	0	0	PD115		PD102	0	0	0	0	20	125	
C	С	0	0	0	0	0	TD150	0	0	TD136	0	0	TD130	TD125	0	0	TD115	0	TD102	0	0	0	0	15 16		
C	С	0	0	0	0	0	SD150	0	0	SD136	0	0	SD130	SD125	0	0	SD115	0	SD102	0	0	0	0	10		
C	С	0	0	0	0	0	0	0	0	Q136	0	0	0	Q125	0	0	Q115	0	Q102	0	0	0	0	25	120	
C	C	0	0	0	0	0	0	0	0	P136	0	0	0	P125	0	0	P115	0	P102	0	0	0	0	20		
C	5	0	0	0	0	0	T150	0	0	T136	0	0	0	T125	0	0	T115	0	T102	0	0	0	0	15 16	100	Radial Shape
C	C	0	0	0	0	0	S150	0	0	S136	0	0	0	S125	0	0	S115	0	S102	0	0	0	0	10		
C	C	0	0	0	0	0	0	X6	0	6X	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
C	С	0	0	0	0	0	0	F6	F13	0	0	F8	F4	0	0	0	F2	0	F1	0	0	F18	0	S		
C	С	0	0	0	0	0	0	0	0	0	0	0	0	X3	0	0	X2	0	X1	0	0	X18	0	ю	60	
C	C	0	0	0	0	0	0	0	0	0	0	0	0	K3	0	0	K2	0	K1	0	0	K18	0	2		
C	C	0	0	0	0	0	0	0	0	0	0	0	0	XG3	0	0	XG2	0	XG1	0	0	XG18	0	б		Radial Shape (Screw Hole)
C	С	0	0	0	0	0	0	0	0	0	0	0	0	KG3	0	0	KG2	0	KG1	0	0	KG18	0	2		
220	Z 30	221	205	200	187				13 13	136 136	0 1 132	ini 133	130 130	125 125	1 ₂₃	н 120	115 ed	105 2 8 1	102	97	95	86	76	Ir (A) Rated Current	Ur (VDC) Rated Voltage	Product Structure