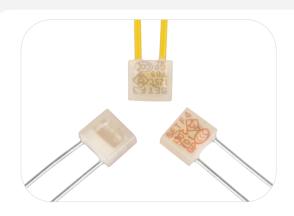


### **F** Series



### Description

Thermal-Link (ATCO)-Alloy Type 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 Thermal-Link (ATCO)-Alloy Type F series Rated Functioning Temp. from 76 °C to 160 °C, Rated Current: 1 A, 3 A, safety certification Includes UL, cUL, TUV, PSE, VDE, KC, CCC, and complies with RoHS and REACH.

### Applications

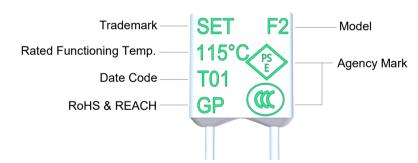
- Lamps
- Switched-Mode Power Supplies
- Home Electrical Appliances
- Transformers
- Motors
- Batteries

### 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

### Marking

Radial (Color for reference only)



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

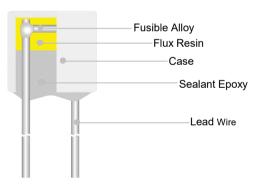
**Dimensions (mm)**  $L_1$ ≥ LL. σ Т W L  $L_1$ d F  $4.2 \pm 0.5$ 70.0 ± 3.0  $5.1 \pm 0.5$  $2.3 \pm 0.2$  $0.50 \pm 0.05$  $3.2 \pm 0.5$ 

### Features

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

### **Structure Diagrams**

Radial



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# Thermal-Link (ATCO)-Alloy Type

### **Specifications**

		Model	Fusing Temp.	T <sub>h</sub>	T <sub>m</sub>	/ <sub>r</sub>	Ur	<b>AI</b> ®	c <b>A1</b> ®			₹ <sup>PS</sup> <sup>m</sup>	3		RoHS REACH
			(°C)	(°C)	(°C)	(A)	(V)	UL	cUL	τυν	VDE	PSE	KC	ссс	
	160	F16	154 ± 2	135	200	1	AC 250	0	0	0	0	•	0	•	•
	100	110	104 ± 2	100	200		DC *	0	0	0	0	0	0	0	•
	450	F7	445 + 0	400	200	4	AC 250	•	•	•	•	•	•	•	•
	150	F7	145 ± 2	126	200	1	DC *	0	0	0	0	0	0	0	•
~	145	F6	140 ± 2	121	200	1	AC 250	•	•	•	0	•	0	0	•
000	145	ro	140 ± 2	115	200	3	DC 60	•	•	•	0	0	0	0	•
( <i>T</i> <sub>f</sub> ) °C	420	540	105 - 0	113		1	AC 250	•	•	•	0	•	0	0	•
	139	F13	135 ± 2	113	- 200	3	DC 60	•	•	•	0	0	0	0	•
Tem				111		1	AC 250	•	•	•	•	•	•	•	•
l gr	133	F8	130 ± 2	90	- 200	3	DC 60	•	•	•	0	0	0	0	•
Functioning Temp.				106		1	AC 250	•	•	•	•	•	•	•	•
ncti	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							•	•	•	0	0	0	0	•
Fu								•	•	•	•				
Rated	125	F3	121 ± 2	100	200	1	DC *	0	0	0	0	0	0	0	•
Ra				91		1	AC 250	•	•	•	•	•	•	•	•
	115	F2	111 ± 2	80	200	3	DC 60	•	•	•	0	0	0	0	•
				79		1	AC 250	•	•	•	•	•	•	•	•
	102	F1	98 ± 2	60	200	3	DC 60	•	•	•	0	0	0	0	•
				61		1	AC 250	•	•	•	0	•	0	•	•
	86	F18	81 ± 2	50	200	3	DC 60	•	•	•	0	0	0	0	•
							AC 250	•	•	0	0	•	0	•	•
	76         F0         73±2         53         200         1         AC 250         •											0	0	•	

#### Note:

1: " $\blacksquare$  "Means certificated, " $\bigcirc$  "Means non-certificated, RoHS & REACH Compliant .

2: " \* "Customizable DC voltage.



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ATCO Body

#### **Agency Information**

Agency Symbol	Standards	The File No. and certification No. obtained by SETsafe   SETfuse
<b>AI</b> ®	UL 60691	E214712
c <b>FL</b> ®	CAN-CSA-E60691	E214712
$\blacksquare$	EN 60691	R50161758
	EN 60691	40004041
	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>ال</u>	K60691	SU05023-6002A、SU05023-6003B
	GB 9816.1	2020980205000190

### Soldering

#### Hand-Soldering

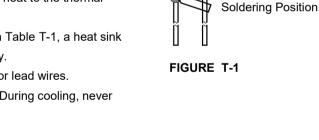
- 1. Soldering should be carried out according to Table T-1.
- 2. The thermal element of ATCO is fusible alloy with low melting point, which is jointed with ATCO lead wires. Improper soldering operation (too high soldering temp., too long soldering time, too short lead wire etc.) may transfer more heat 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.
- 5. 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	able Sol	dering Tin	ne for Differer	nt Lead V	Vire Lengt	h (Fig.T-1)		Max. Soldering Temp.
( <i>T</i> <sub>f</sub> )	L <sub>s</sub>	Time	)	L <sub>s</sub>	Time		L <sub>s</sub>	Tim	е	
	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 <sup>a</sup>	4	20	2	5	30	3	6	
102 to 115	10	1 <sup>a</sup>	4	20	2	5	30	3	6	
116 to 135	10	1 <sup>a</sup>	4	20	3	6	30	5	8	400
136 to 150	10	3	6	20	5	8	30	5	8	
151 to 160	10	4	7	20	6	9	30	7	10	

Note:

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



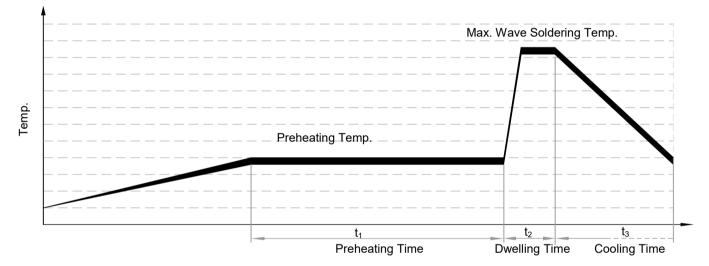
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#### Wave Soldering

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 <sub>1</sub> )	Max. Wave Soldering	Dwelling Time (t <sub>2</sub> )	Cooling Time (t <sub>3</sub> )
( <i>T</i> <sub>f</sub> )	L₅ Length	Preheating Temp.	L <sub>s</sub> Length	Preheating Temp.		Temp.		
(°C)	(mm)	(°C)	(mm)	(°C)	(s)	(°C)	(s)	(s)
76 to 130				Recommend	I Hand-Soldering	l		
131 to 150	20	80	30	90	< 60	≤ 260	≤ 3	≤ 10
151 to 160	20	90	30	100	< 60	≤ 260	≤ 3	≤ 10

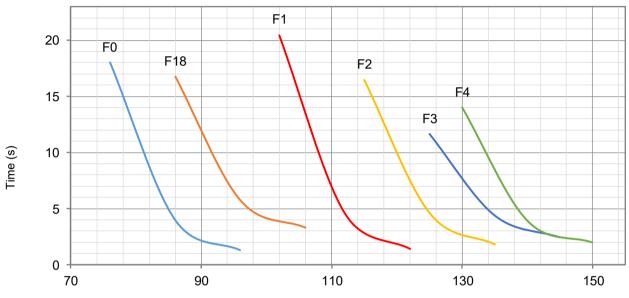


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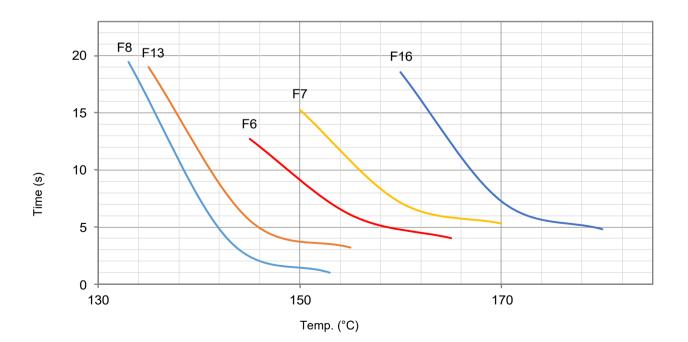
# Thermal-Link (ATCO)-Alloy Type

### **Product Temp.-Time Curve (Reference)**

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



Temp. (°C)

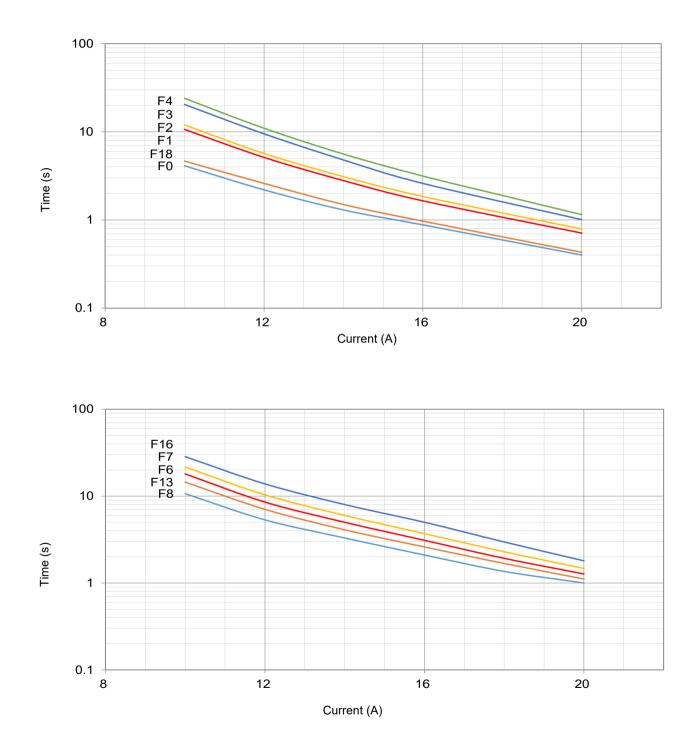


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# Thermal-Link (ATCO)-Alloy Type

### **Product Current-Time Curve (Reference)**

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



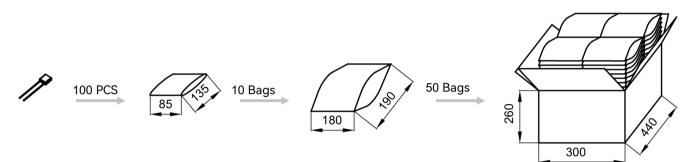


**F** Series

### **Packaging Information**

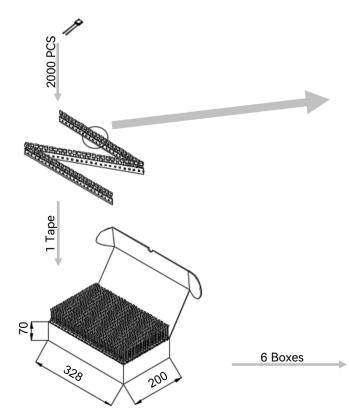
#### Bulk

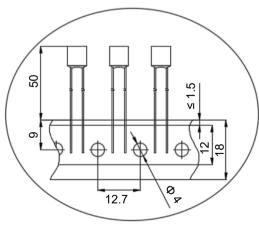
Item	PE Bag	PE Bag	Carton
Dimensions (mm)	135 × 85	190 × 180	440 × 300 × 260
Quantity (PCS)	100	1000	50000
Gross Weight (kg)		·	17.0 ± 10%

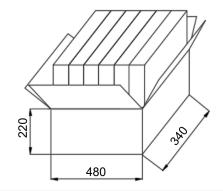


#### Taping

Item	Box	Carton
Dimensions (mm)	328 × 200 × 70	480 × 340 × 220
Quantity (PCS)	2000	12000
Gross Weight (kg)		5.6 ± 10%









### F 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 <sub>f</sub>	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.
14	— (GB 9816.1) Tolerance: 7 <sub>f</sub> °C (GB 9816.1, EN 60691, K60691). Tolerance: 7 <sub>f</sub> ± 7 °C (J60691).
Fusing Temp.	<b>Fusing Temp.</b> 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 <sub>h</sub>	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 <sub>m</sub>	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 <sub>n</sub>	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.
I <sub>max</sub>	<ul> <li>— (UL 1449)</li> <li>Max. Discharge Current</li> <li>Being able to withstand 1 peak current of waveform 8/20 μs to test max. pulse current that the product can withstand.</li> <li>— (UL 1449)</li> </ul>

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**F** 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.



### **F** Series

#### **Mechanical Connection**

#### Riveting

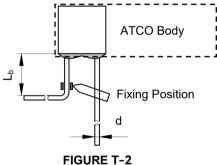
- 1. Choose small resistivity riveting material and be riveted.
- 2. A flexible lead or lead with low resistance should be used to rivet the ATCO.
- 3. Contact resistance should be minimal, large contact resistance will lead to higher temp., ATCO Functioning in advance.

#### 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.



#### TABLE T-3 Distance between Body and Bending Point

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

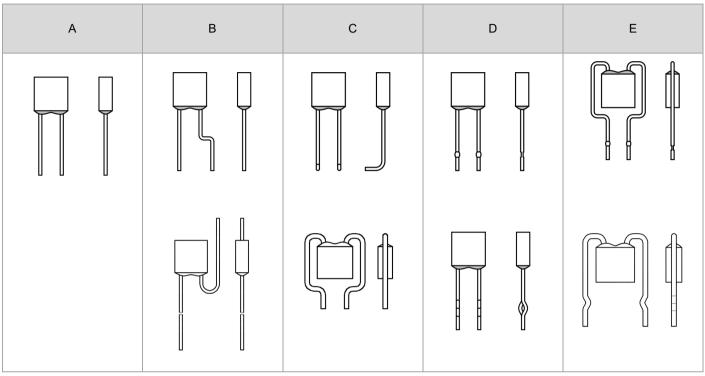


### **F** Series

### Leads Forming Types

The below leads forming is for reference, more leads forming can be customized.

#### Radial





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										N	loc	lel										/			
TUDDA	I K221	TK205	0	0	TK160	TK150	TK145	c	0 0	TK135	0	TK130	TK125	0	0	TK115	0	TK102	0	0	0	0	15 16		
	С	0	SE200	0	0	SE150	SF145		o c	SE135	0	0	SE125	0	0	SE115	0	SE102	0	0	0	0	10		
	Э	0	SKL200	0	0	0	0	C	) C	0	0	0	0	0	0	0	0	0	0	0	0	0	10		
CKDA	SK221	SK205	0	0	SK160	SK150	SK145	0	C	SK135	0	SK130	SK125	0	0	SK115	0	SK102	0	0	0	0	10		
		XG32	0	0	XG16				YCo				XG3	0	0	XG2	0	XG1	0	0	XG18	XG0	с		
		KG32	0	0		KG7	KG6	0	איניס	KG5	KG8	KG4	KG3	0	0	KG2	0	KG1	0	0	KG18	KG0	5		
	0	0	0	0	0	0		C	G136	800	0	G130	G125	0	0	G115	0	G102	0	0	0	0	40		     
	С	0	0	0	0	0		C			0	N130	N125	0	0	N115	0	N102	0	0	0	0	90		
	С	0	0	0	0	0	0	C	(		0	0		0	0	Q115	0	0	0	0	0	0	25		- 1 1 1
	С	0	0	0	0	0	0	c	D136	8 0	0	0	0	0	0	P115	0	0	0	0	0	0	20	250	
	С	0	0	0	0	T150	0	c	T136	8 0	0	0	T125	0	0	T115	0	T102	0	0	0	0	15 16	17	
	С	0	0	0	0	S150	0	C	C136	8 0	0	0	S125	0	0	S115	0	S102	0	0	0	0	10		[] <i>}?</i>
	С	0	0	Υ17	Y16	77	۲6	2 0	\$	2 0	Υ8	Υ4	Υ3	0	0	Y2	0	۲1	0	0	Υ18	γo	£		
V21	X31	X32	0	X17	X16	X7	X6	0	Xo	X5	X8	X4	X3	0	0	X2	0	X1	0	0	X18	ХO	e		
121	K31	K32	0	K17	K16	K7	КG	0	К О	K5	88	K4	ŝ	0	0	Υ Υ	0	Х К	0	0	K18	КO	7		1 1 1
	С	0	0	0	F16	F7	ЕG	2 0	C	0	82 82	F4	F3	0	0	F2	0	F	0	0	F18	FΟ	-		
202	K31	R32	0	0	R16	R7	R6	2		R5	0	R4	R3	0	0	R2	0	R1	0	0	R18	RO	15		
2	U31	U32	0	0	U16	U7	ШG	<b>3</b> 0	0	U5	0	U4	U3	0	0	U2	0	IJ	0	0	U18	NO	10		Ц Ц
52	C3	C32	0	0	C16	C7	CG	0.13	200	C2	80 80	Q	ប៊	0	0	C3	0	5	C21	0	C18	CO	ũ		
22	B31	B32	0	0	B16	B7	BG	B13	2 0	B5	B8	B4	B3	0	0	B2	0	B1	B21	0	B18	BO	n		
E S	H31	H32	0	0	H16		HG	-		E P	8H	H4	НЗ	0	0	H2	0	Ħ	H21	0	H18	ЮН	7		
1/21	V31	V32	0	0	V16	77	V6	V13		V5	87	٧4	۷3	0	0	۷2	0	7	V21	0	V18	٥٨ (	-		
224	177	205	200	187	160	150	145	139	136	135	133	130	125	123	120	115	105	102	97	95	86	76(	rent	(C) tage	lict
				;	<b>၁</b> 。	( :	L)	.q	ພ	эТ I	<b>ðu</b> ļ	uo	ito	ur	Ы	рә	1e3	Ы					Ir (A) Rated Current	Ur (VAC) Rated Voltage	Product Structure

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

SET safe | SET fuse

F Series

					_	_	_		_		_	od	el									45	1	\	1	1
С	)		0	0	0	0	HW7	HW6	0	0	HW5	0	HW4	HW3	0	0	HW2	0	HW1	0	0	HW18	HWO	15	800	
С	)	0	0	0	0	0	HL7		0	0	HL5	0	HL4	HL3	0	0	HL2		HL1	0	0	HL18	НГО	10		
С	)	0	0	0	0	0	0	HN145	0	HN136	0	0	0	HN125	0		0	0	0	0	0	0	0	15	690	
С	)		0	0	0	0	HC7	HC6	0	0	HC5	0		HC3	0	0	HC2	0	HC1	0	0	HC18	HCO	S	- <u>3</u> 9	
С	)		0	0	0	0	0	HP145	0	HP136	0	0	0	HP125	0	0	0		0	0	0	0	0	10		
С	)		0	0	0	0	0	HS145	0	HS136	0	0	0	HS125	0	0	0	0	0	0	0	0	0	S		
С	)		0	0	0	0	HR7	HR6	0	0	HR5	0	HR4	HR3	0	0	HR2	0	HR1	0	0	HR18	HRO	15	500	
С	)	0	0	0	0	0	HU7	9NH	0	0	HU5	0	HU4	HU3	0	0	HU2	0	HU1	0	0	HU18	ONH	10		
С	)		0	0	0	0	0	0	0	Q136	0	0	0	Q125	0		Q115		Q102	0	0	0	0	25	0	
С	)	0	0	0	0	0	0	0	0	P136	0	0	0	P125	0	0	P115	0	P102		0	0	0	20	400	
С	)	0	0	0	0	0	XM7	0	0	0	XM5	0	XM4	XM3	0	0	0	0	0	0	0	0	0	ę		
С	)		0	0	0	0	KM7	0	0	0	KM5	0	KM4	KM3	0	0	0	0	0	0	0	0	0	2	320	
С	)	0	0	0	0	0	0	0	0	Q136	0	0	0		0		Q115		0	0	0	0	0	25	•       	
С	)		0	0	0	0	TM150	0	0	TM136	0	0	0	0	0	0	TM115	0	TM102	0	0	0	0	15 16	     	
С	)		0	0	0	0	0		0	SM136	0	0	0	0	0		SM115	0	SM102	0	0	0	0	10	)     	
С	)		0	0	0	0			0	-	0	0	YM4	0	0			0		0	0	0	0	5	300	
С	)		0	0	0		77	0	0	Υ9	0	0	Υ4	0	0	0	0	0	0	0	0	0	0	5		
С	)		0	0	0	0	XM7	0	0	0	XM5	0	XM4	0	0	0	0	0	0	0	0	0	0	ю		     
С	)		0	0	0		KM7	0	0	0	KM5	0	KM4	0	0	0	0	0	0	0	0	0	0	2		
С	)		0	0	0	0	0	TY145	0	0	0	0	TY130	TY125	0	TY120	TY115	TY105	0	0	TY95	0	0	15		
С	)		0	0	0	0	0	SY145 -	0	0	0	0	SY130 -	SY125 -	0	SY120	SY115 -	SY105 -	0	0	SY95	0	0	10	250	
230	3	221	205	200	187	160	150			136	135	133	130	125	123	120	115	105	102	97	95	86	76	rent	C) age	Lice Ct
						ာ့	( -	<b>L)</b>	du	uə_	L 6	jui	uo	ito	un	Ы	pə	tež	H					Ir (A) Rated Current	Ur (VAC) Rated Voltage	Product Structure

SET safe | SET fuse

# Thermal-Link (ATCO)-Alloy Type

										М	od	el										1	1				
0	0	0	0	0	0	0	0	CR13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15				
0	R31	R32	0	0	R16	R7	R6	0	0	R5	0	R4	R3	0	0	R2	0	R1		0	R18	RO	15				
0	U31	U32	0	0	U16	U7	06	0	0	U5	0	U4	U3	0	0	U2	0	U1	0	0	U18	S	10				
0	0	0	0	0	0	0	C6	0	0	0	0	0	0	0	0	0	0	0	0	0		0	10				
0	0	0	0	0	0	0	0	M13	0	0	0	0		0		0	0	0	0	0	0	0	თ				
0	0	0	0	0	0	0	0	C13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.5				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C2	0	0	0	0	0	0	œ				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C18	0	9				
0	C31	C32	0	0	C16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		г	1	
0	0	0	0	0	0	0	0	V13	0	0	V8	V4	0	0		V2	0	0	0	0	0	0	4		Ĺ		
0	0	0	0	0	0	0	0	SF13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S				
0	0	0	0	0	0	0	0	0	0	0	SF8	SF4	0	0	0	SF2	0	0		0		0	ю		Ĺ		
0	B31	B32	0	0	B16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	ю		Ĺ	]	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	V18	0	2.5				
0	H31	H32	0	0	H16	0	0	0	0	0	0	0	H3	0	0	0	0	0	0	0	0	0	2				
0	V31	V32	0	0	V16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-				
0	0	0	0	0	0	C7	C6	C13	60	C5	C8	Q	ទ	0	0	C2	0	0	0	0	0	0	7				
0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	C	C21	0	C18	8	5				
0	0	0	0	0	0	B7	B6	B13	B9	B5	B8	B4	B3	0	0	B2	0	B1	B21	0	B18	BO	ю	50			
0	0	0	0	0	0	Η7	9H	H13	6H	H5	H8	H4		0	0	H2	0	Ħ	H21	0	H18	어	2				
0	0	0	0	0	0	77	V6	V13	V9	V5	V8	V4	V3	0	0	V2	0	۷1	V21	0	V18	0/	-				
230	221	205	200	187	160	150	145	139	136	135	133	130	125	123	120	115	105	102	97	95	86	76	A) urrent	DC) bitage	t	ture	
					<b>)</b> 。	( -	L) <sup>.</sup>	du	uə <u></u>	L 6	iui	uo	ito	un	Ы	pə	teS	L					Ir (A) Rated Current	Ur (VDC) Rated Voltage	Drod	Structure	

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

SET safe | SET fuse

F Series

										М	od	el											\		
0	0	0	0	0	0	HN150	0	0	HN136	0	0	0	HN125	0	0	0	0	0	0	0	0	0	15		ectrode)
0	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)
0	0	0	0	0	0	HS150	0	0	HS136	0	0	0	HS125	0	0	0	0	0	0	0	0	0	5		Axial Sha
0	0	0	0	0	0	QD150	0	0	QD136	0	0	QD130	QD125	0	0	QD115	0	QD102	0	0	0	0	25		
0	0	0	0	0	0	PD150	0	0	PD136	0	0	PD130	PD125	0	0	PD115		PD102	0	0	0	0	20	125	
0	0	0	0	0	0	TD150	0	0	TD136	0	0	TD130	TD125	0	0	TD115	0	TD102	0	0	0	0	15 16	12	
0	0	0	0	0	0	SD150	0	0	SD136	0	0	SD130	SD125	0	0	SD115	0	SD102	0	0	0	0	10		
0	0	0	0	0	0	0	0	0	Q136	0	0	0	Q125	0	0	Q115	0	Q102	0	0	0	0	25	120	
0	0	0	0	0	0	0	0	0	P136	0	0	0	P125	0	0	P115	0	P102	0	0	0	0	20		
0	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
0	0	0	0	0	0	S150	0	0	S136	0	0	0	S125	0	0	S115	0	S102	0	0	0	0	10	-	
0	0	0	0	0	0	0	9X	0	6X	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
0	0	0	0	0	0	0	F6	F13	0	0	F8	F4	0	0	0	F2	0	Ŧ	0	0	F18	0	ო		
0	0	0	0	0	0	0	0	0	0	0	0	0	X3	0	0	X2	0	X1	0	0	X18	0	ε	60	
0	0	0	0	0	0	0	0	0	0	0	0	0	£3	0	0	K2	0	K1	0	0	K18	0	2	ø	
0	0	0	0	0	0	0	0	0	0	0	0	0	XG3	0	0	XG2	0	XG1	0	0	XG18	0	ę		Shape
0	0	0	0	0	0	0	0	0	0	0	0	0	KG3	0	0	KG2	0	KG1	0	0	KG18	0	2		Radial Shape (Screw Hole)
230	221	205	200	187	160	150	145	139	136	135	133	130	125	123	120	115	105	102	97	95	86	76	Ir (A) Rated Current	/DC) /oltage	Product Structure
					ວ。	(+	L).	du	uəj	6	ui	uo	ito	un	Ы	pə	te\$	H					Ir ( Rated C	Ur (VDC) Rated Voltage	Proc