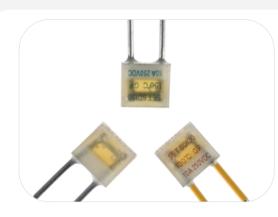
# SET safe SET fuse

# **SD Series**



## Description

The Direct Current Thermal-Link Alloy Type (DC-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 Direct Current Thermal-Link Alloy Type (DC-ATCO) SD series Rated Functioning Temp. from 102 °C to 150 °C, Rated Current: 10 A, complies with RoHS and REACH.

# Features

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

# Applications

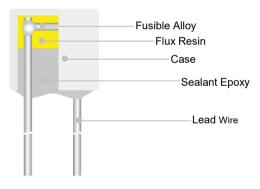
- Surge Protective Devices
- Switched-Mode Power Supplies
- Batteries

# Customization

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

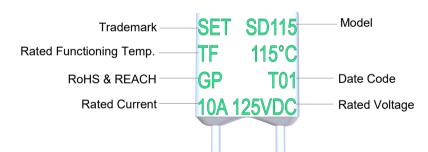
# Structure Diagrams

Radial



## 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)** ≥ ш σ L w Т d F L<sub>1</sub> $7.5 \pm 0.5$ $50.0 \pm 2.0$ $8.6 \pm 0.5$ $3.6 \pm 0.2$ $1.05 \pm 0.05$ $5.2 \pm 0.5$

SET safe SET fuse

# **SD Series**

## **Specifications**

( <i>T</i> <sup>f</sup> ) °C		Model	Fusing Temp. (°C)	7 <sub>h</sub> (°C)	7 <sub>m</sub> (°C)	/r (A)	U <sub>r</sub> (V)	RoHS REACH
	150	SD150	145 ± 2	120	160	10	DC 125	•
Functioning Temp.	136	SD136	131 ± 2	106	160	10	DC 125	•
tioni	130	SD130	125 ± 2	100	160	10	DC 125	•
Func	125	SD125	121 ± 2	95	160	10	DC 125	•
Rated	115	SD115	111 ± 2	85	160	10	DC 125	•
Ř	102	SD102	98 ± 2	72	160	10	DC 125	•

#### Note:

1: "●"Means certificated, "○"Means non-certificated.

2: RoHS & REACH Compliant .

# 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.
- 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. ( <i>T</i> <sub>f</sub> )		Max. Allowable Soldering Time for Different Lead Wire Length (Fig.T-1)												
	L <sub>s</sub>	•		L <sub>s</sub> Time		L <sub>s</sub>	Time		Temp.					
	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)				
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	1				

3

Note:

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

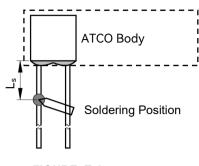


FIGURE T-1

## SD Series

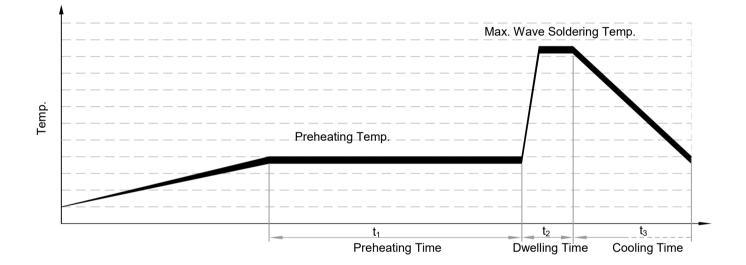
SET safe SET fuse

#### 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.	Whe	-		ng Temp. re is Different	Preheating Time (t <sub>1</sub> )	Max. Wave Soldering	Dwelling Time (t <sub>2</sub> )	Cooling Time (t₃)		
( <i>T</i> <sub>f</sub> )	L <sub>s</sub> Length	Preheating Temp.	L <sub>s</sub> Length	Preheating Temp.		Temp.				
(°C)	(mm)	(°C) (mm)		(°C)	(s)	(°C)	(s)	(s)		
102 to 130	建议手工焊接									
131 to 150	20	80	30	90	< 60	≤ 260	≤ 3	≤ 10		

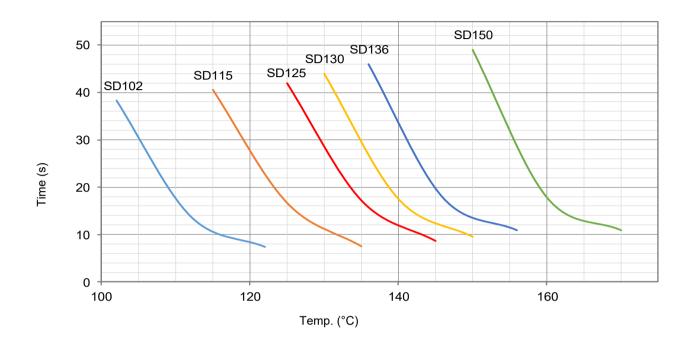


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**SD Series** 

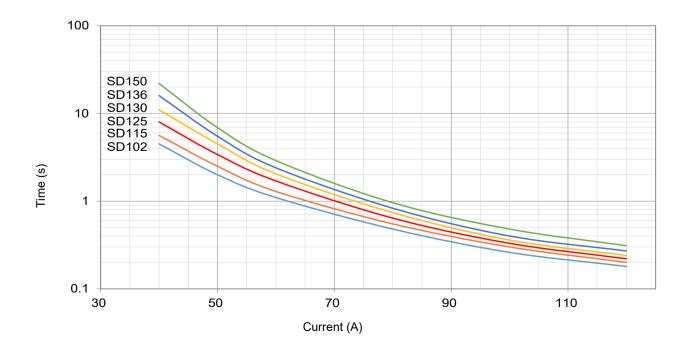
## **Product Temp.-Time Curve (Reference)**

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



## Product Current-Time Curve (Reference)

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



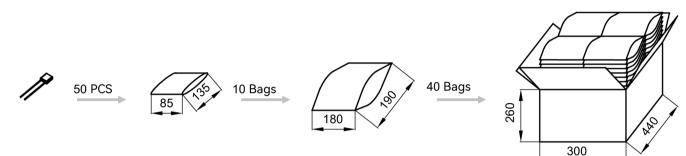


## **SD Series**

## **Packaging Information**

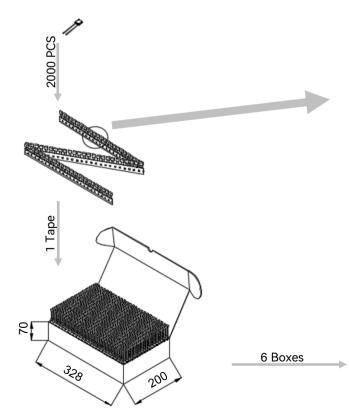
#### Bulk

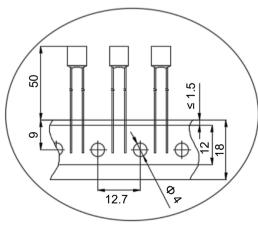
Item	PE Bag	PE Bag	Carton							
Dimensions (mm)	135 × 85	190 × 180	440 × 300 × 260							
Quantity (PCS)	50	500	20000							
Gross Weight (kg)	Gross Weight (kg)									

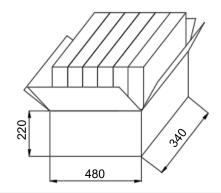


#### Taping

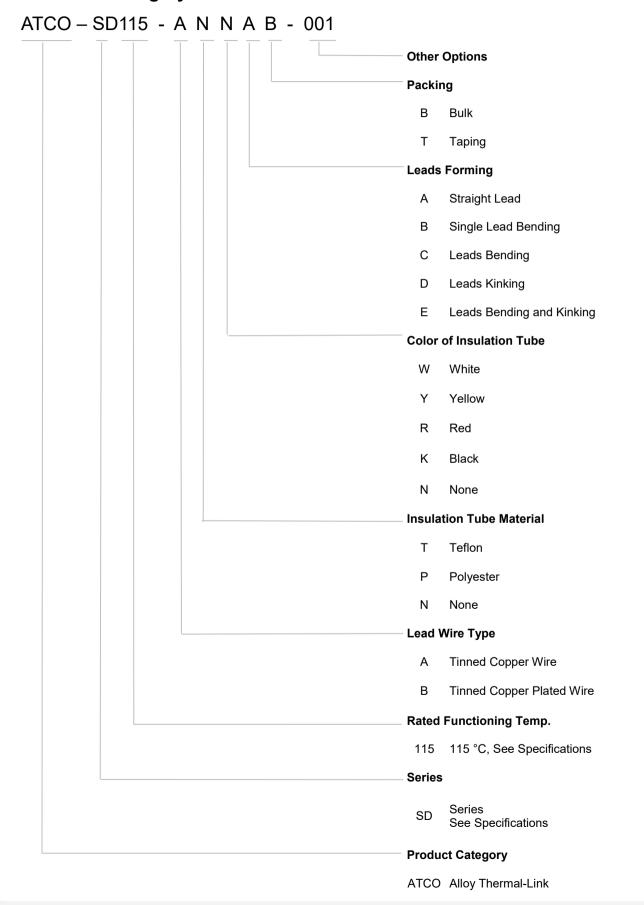
Item	Box	Carton			
Dimensions (mm)	328 × 200 × 70	480 × 340 × 220			
Quantity (PCS)	2000	12000			
Gross Weight (kg)		14.0 ± 10%			







## **Part Numbering System**



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SET safe SET fuse

## **SD Series**



SD <u>Series</u>

# 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)
Tr	<b>Rated Functioning Temp.</b> 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: $T_{\rm f}$ °C (GB 9816.1, EN 60691, K60691). Tolerance: $T_{\rm f} \pm 7$ °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)
I <sub>r</sub>	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)
In .	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 1449) 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)

SET safe | SET fuse

**SD** 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.



## **SD** Series

## **Mechanical Connection**

#### Riveting

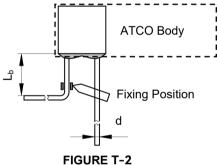
- 1. Choose small resistivity riveting material and be riveted.
- 2. A flexible lead or lead with low resistance should be used to rivet the ATCO.
- 3. Contact resistance should be minimal, large contact resistance will lead to higher temp., ATCO Functioning in advance.

#### 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

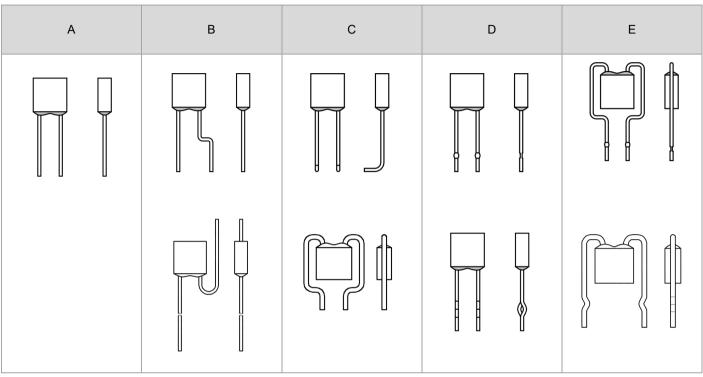
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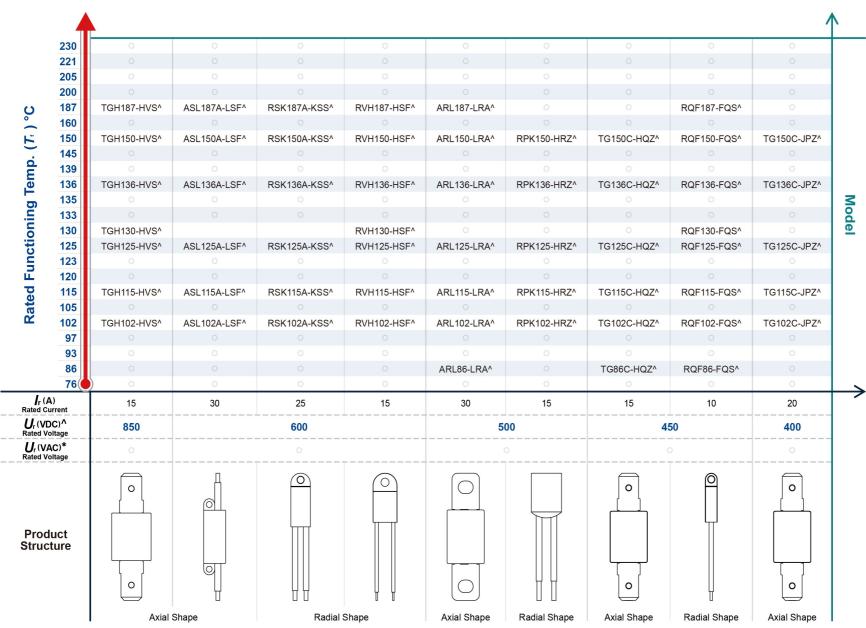
## **SD Series**

## Leads Forming Types

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

#### Radial





### Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

ETsafe **SD Series** 

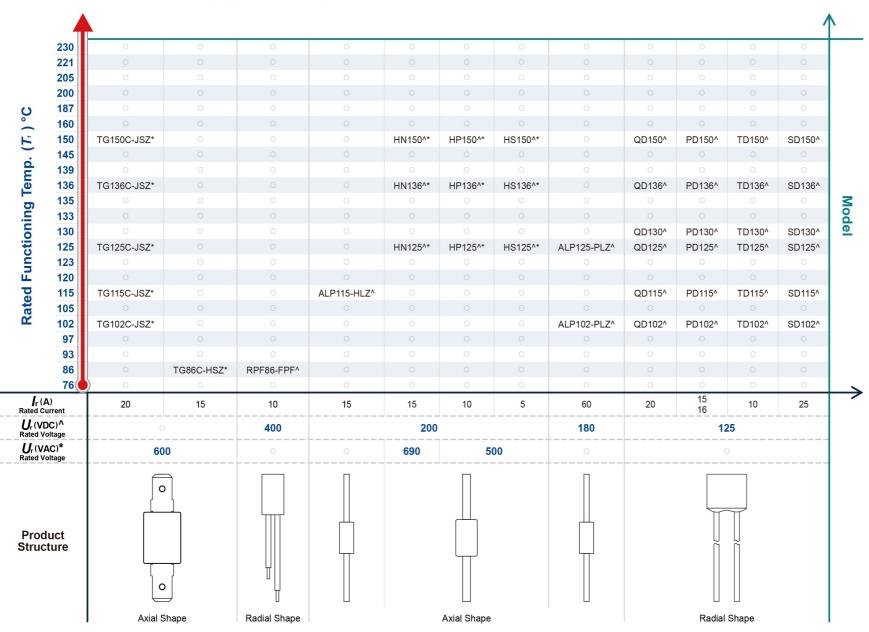
SET fuse

Direct Current Thermal-Link (Alloy Type)

Õ

ATC

Ô



DC

ATC

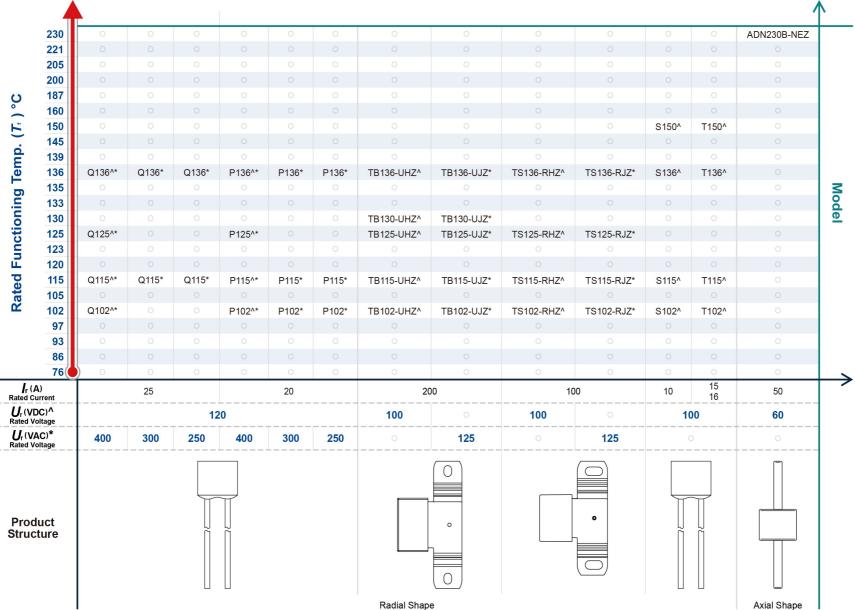
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ETsafe

**SET** fuse

**SD** Series

#### Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview



## Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

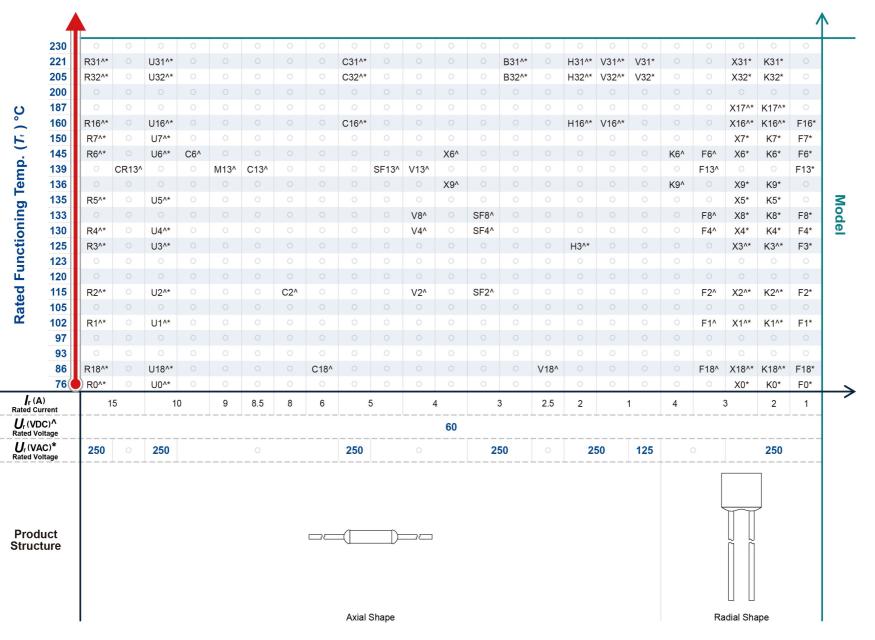
Direct Current Thermal-Link (Alloy Type)

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ATCO

ET safe SET fuse

**SD** Series



DC

ATC

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ET safe SET fuse

**SD** Series

### Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

															/	N
230	0	0	0	0	0	0	0	0	0	0	0	ADN230B-NDZ^	ADN230B-PDZ^	0	ADN230B-QBZ^	
	XG31*	KG31*			C31*		B31*		H31*			0	0	ADN205B-NDZ^	0	
205	XG32*	KG32*			C33*		B32*		H32*							
200	0															
187	0															
160	XG16*	KG16*				B16*										
150	XG7*	KG7*	C7^	C7*		B7^*		H7^*		V7^*						
145	XG6*	KG6*	C6^	C6*		B6^*		H6^*		V6^*						
139	0		C13^	C13*		B13^*		H13^*		V13^*						
136	XG9*	KG9*	C9^	C9*		B9^*		H9^*		V9^*						
135	XG5*	KG5*	C5^	C5*		B5^*		H5^*		V5^*						Ξ
133	XG8*	KG8*	C8^	C8*		B8^*		H8^*		V8^*						Model
130	XG4*	KG4*	C4^	C4*		B4^*		H4^*		V4^*						<u>e</u>
125	XG3^*	KG3^*	C3^	C3*		B3^*				V3^*						
123	0															
120	0															
115	XG2^*	KG2^*	C2^	C2*		B2^*		H2^*		V2^*						
105	0															
	XG1^*	KG1^*		C1^*	C1*	B1^*	B1*	H1^*	H1*	V1^*	V1*					
97	0				C21^*		B21^*		H21^*		V21^*					
93	0															
86	XG18^*	KG18^*		C18^*	C18*	B18^*	B18*	H18^*	H18*	V18^*	V18*					
	) XG0*	KG0*	0	C0*	0	B0^*	B0*	H0^*	H0*	V0^*	V0*	0	0	0	0	$\rightarrow$
) rrent	3	2	7	Ę	5	3			2		1	50	55	50	80	Í
C)^ Itage	60				50					49	48		24			
C)*	2	50	0	250	125	250	125	250	125	250	125			)		
Product Structure		250     0     250     125     250     125     250       Image: Constraint of the second sec														
	200 187 160 150 145 139 136 135 133 130 125 123 120 115 102 97 93 86 76 0 76 76 0 76 160 176 176 176 176 176 176 176 176 176 176 176 176	221       XG31*         205       XG32*         200       0         187       0         160       XG16*         150       XG7*         145       XG6*         139       0         136       XG9*         135       XG5*         133       XG4*         125       XG3^*         120       0         115       XG2^*         102       XG1^*         97       0         93       0         86       XG18^*         76       XG0*         0:rrent       3         134       XG0*         0:rrent       3         0:rrent       3         0:rrent       2         Jurce	221       XG31*       KG31*         205       XG32*       KG32*         200       O       O         187       O       O         187       O       O         187       O       O         187       XG16*       KG16*         150       XG7*       KG7*         145       XG6*       KG6*         139       O       O         136       XG9*       KG9*         135       XG5*       KG5*         133       XG4*       KG4*         135       XG2^*       KG3*         130       XG4*       KG4*         123       O       O         124       XG2^*       KG2**         135       XG2**       KG2**         120       O       O         121       O       O         122       XG1**       KG1**         97       O       O         93       O       O         94       XG0*       KG0*         97       3       2         97       G0       O         97       G0       O <th>221       XG31*       KG31*       O         205       XG32*       KG32*       O         200       O       O       O         187       O       O       O         160       XG16*       KG16*       C17^         145       XG6*       KG6*       C6^         139       O       O       C13^         136       XG9*       KG9*       C9^         135       XG6*       KG6*       C6^         133       XG8*       KG8*       C8^         130       XG4*       KG4*       C4^         125       XG2^*       KG2^*       C2^         102       O       O       O       O         120       O       O       O       O         121       XG1^*       KG1^*       O       O         122       XG1^*       KG1^*       O       O         97       O       O       O       O&lt;</th> <th>221       XG31*       KG31*       O       O         205       XG32*       KG32*       O       O         200       O       O       O       O         187       O       O       O       O         160       XG16*       KG16*       O       O         150       XG7*       KG7*       C7^       C7*         145       XG6*       KG6*       C6A       C6*         139       O       O       C13^       C13*         136       XG9*       KG9*       C9^       C9*         135       XG8*       KG8*       C8A       C8*         130       XG4*       KG4*       C4^       C4*         125       XG2A*       KG2A*       C2^       C2*         120       O       O       O       O         121       O       O       O       O         120       O       O       O       O         121       XG2A*       KG2A*       C2^       C2*         122       XG3A*       KG1A*       O       C1A*         97       O       O       O       O</th> <th>221       XG31*       KG31*       O       C31*         205       XG32*       KG32*       O       C33*         200       O       O       O       O       O         187       O       O       O       O       O         160       XG16*       KG16*       C       O       O         150       XG7*       KG7*       C7^       C7*       O         145       XG6*       KG6*       C6A       C6*       O         130       XG9*       KG9*       C9A       C9*       O         133       XG8*       KG8*       C8A       C8*       O         133       XG8*       KG8*       C3A       C3*       O         133       XG8*       KG8*       C3A       C3*       O         133       XG4*       KG4*       C4A       C4*       O         123       O       O       O       O       O         124       O       O       O       O       O         125       XG3A*       KG1A*       C2A       C2*       O         126       XG1A*       KG1A*       O       C1A*</th> <th>221       XG31*       KG31*       O       C31*       O         205       XG32*       KG32*       O       C33*       O         200       O       O       O       O       O       O         187       O       O       C13*       C1*       O       B1**         145       XG6*       KG6*       C6A       C6*       O       B6**         138       XG9*       KG9*       C9A       C9*       O       B9**         135       XG5*       KG5*       C5*       O       B5**         133       XG4*       KG4*       C4^A       C4*       O       B4**         125       XG3*       KG3**       C3*       C3*       D       D         120       O       O       O       O       O       O         121</th> <th>221       XG31*       KG31*       O       C31*       O       B31*         205       XG32*       KG32*       O       O       C33*       O       B32*         200       O       O       O       O       O       O       O       O         187       O       O       O       O       O       O       O       O         180       XG16*       KG16*       C7^       C7*       O       B7*       O         145       XG6*       KG6*       C6^       C6*       O       B6^*       O         139       O       O       C13^       C13*       O       B9^*       O         135       XG5*       KG5*       C5^       C5*       B5^*       O         130       XG4*       KG4*       C4^       C4*       O       A4*       O         122       XG3^*       KG3^*       C3^       C3*       O       O       O       O       O       O         131       XG2^*       KG2^*       C2^       C2*       B2*       O       O       O       O       O       O       O       O       O       O       O<th>221       XG31*       KG31*       0       0       C31*       0       B31*       0         205       XG32*       KG32*       0       0       0       0       0       0         200       0       0       0       0       0       0       0       0         187       0       0       0       0       0       0       0       0       0         180       XG1*       KG1*       C7A       C7*       0       B7A*       0       H7A*         145       XG6*       KG6*       C6A       C6*       0       B6A*       0       H6A*         139       0       C13^A       C13*       0       B13**       0       H9A*         135       XG5*       KG5*       C5^A       C5*       0       B5*       0       H9*         133       XG8*       KG8*       C8*       C8*       0       B8*       0       H4*         133       XG4*       KG4*       C4A       C4*       0       B4*       0       0         120       0       0       0       0       0       0       0       0       0</th><th>221       XG31*       KG31*       O       C31*       O       B31*       O       H31*         205       XG32*       KG32*       O       C       C33*       D       B32*       O       H32*         200       O       <td< th=""><th>221       XG31*       KG31*       C       C       C31*       C       B31*       H31*       C         205       XG32*       KG32*       C       C       C33*       B32*       H32*       C         200       C       <td< th=""><th>221       XG31*       KG31*       G       G       C31*       G       B31*       G       H31*       G       G         205       XG32*       KG32*       G       G       C33*       B32*       H32*       G       G         200       G       G       G       G       G       G       G       G       G       G         187       G</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     AB1*     0     0     0     0     ADN205B-MD2*       205     XG32*     KG32*     0     0     C33*     0     B32*     0<!--</th--><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     H31*     0     0     0     0     0     0     0       205     XG32*     KG32*     C     0</th></th></td<></th></td<></th></th>	221       XG31*       KG31*       O         205       XG32*       KG32*       O         200       O       O       O         187       O       O       O         160       XG16*       KG16*       C17^         145       XG6*       KG6*       C6^         139       O       O       C13^         136       XG9*       KG9*       C9^         135       XG6*       KG6*       C6^         133       XG8*       KG8*       C8^         130       XG4*       KG4*       C4^         125       XG2^*       KG2^*       C2^         102       O       O       O       O         120       O       O       O       O         121       XG1^*       KG1^*       O       O         122       XG1^*       KG1^*       O       O         97       O       O       O       O<	221       XG31*       KG31*       O       O         205       XG32*       KG32*       O       O         200       O       O       O       O         187       O       O       O       O         160       XG16*       KG16*       O       O         150       XG7*       KG7*       C7^       C7*         145       XG6*       KG6*       C6A       C6*         139       O       O       C13^       C13*         136       XG9*       KG9*       C9^       C9*         135       XG8*       KG8*       C8A       C8*         130       XG4*       KG4*       C4^       C4*         125       XG2A*       KG2A*       C2^       C2*         120       O       O       O       O         121       O       O       O       O         120       O       O       O       O         121       XG2A*       KG2A*       C2^       C2*         122       XG3A*       KG1A*       O       C1A*         97       O       O       O       O	221       XG31*       KG31*       O       C31*         205       XG32*       KG32*       O       C33*         200       O       O       O       O       O         187       O       O       O       O       O         160       XG16*       KG16*       C       O       O         150       XG7*       KG7*       C7^       C7*       O         145       XG6*       KG6*       C6A       C6*       O         130       XG9*       KG9*       C9A       C9*       O         133       XG8*       KG8*       C8A       C8*       O         133       XG8*       KG8*       C3A       C3*       O         133       XG8*       KG8*       C3A       C3*       O         133       XG4*       KG4*       C4A       C4*       O         123       O       O       O       O       O         124       O       O       O       O       O         125       XG3A*       KG1A*       C2A       C2*       O         126       XG1A*       KG1A*       O       C1A*	221       XG31*       KG31*       O       C31*       O         205       XG32*       KG32*       O       C33*       O         200       O       O       O       O       O       O         187       O       O       C13*       C1*       O       B1**         145       XG6*       KG6*       C6A       C6*       O       B6**         138       XG9*       KG9*       C9A       C9*       O       B9**         135       XG5*       KG5*       C5*       O       B5**         133       XG4*       KG4*       C4^A       C4*       O       B4**         125       XG3*       KG3**       C3*       C3*       D       D         120       O       O       O       O       O       O         121	221       XG31*       KG31*       O       C31*       O       B31*         205       XG32*       KG32*       O       O       C33*       O       B32*         200       O       O       O       O       O       O       O       O         187       O       O       O       O       O       O       O       O         180       XG16*       KG16*       C7^       C7*       O       B7*       O         145       XG6*       KG6*       C6^       C6*       O       B6^*       O         139       O       O       C13^       C13*       O       B9^*       O         135       XG5*       KG5*       C5^       C5*       B5^*       O         130       XG4*       KG4*       C4^       C4*       O       A4*       O         122       XG3^*       KG3^*       C3^       C3*       O       O       O       O       O       O         131       XG2^*       KG2^*       C2^       C2*       B2*       O       O       O       O       O       O       O       O       O       O       O <th>221       XG31*       KG31*       0       0       C31*       0       B31*       0         205       XG32*       KG32*       0       0       0       0       0       0         200       0       0       0       0       0       0       0       0         187       0       0       0       0       0       0       0       0       0         180       XG1*       KG1*       C7A       C7*       0       B7A*       0       H7A*         145       XG6*       KG6*       C6A       C6*       0       B6A*       0       H6A*         139       0       C13^A       C13*       0       B13**       0       H9A*         135       XG5*       KG5*       C5^A       C5*       0       B5*       0       H9*         133       XG8*       KG8*       C8*       C8*       0       B8*       0       H4*         133       XG4*       KG4*       C4A       C4*       0       B4*       0       0         120       0       0       0       0       0       0       0       0       0</th> <th>221       XG31*       KG31*       O       C31*       O       B31*       O       H31*         205       XG32*       KG32*       O       C       C33*       D       B32*       O       H32*         200       O       <td< th=""><th>221       XG31*       KG31*       C       C       C31*       C       B31*       H31*       C         205       XG32*       KG32*       C       C       C33*       B32*       H32*       C         200       C       <td< th=""><th>221       XG31*       KG31*       G       G       C31*       G       B31*       G       H31*       G       G         205       XG32*       KG32*       G       G       C33*       B32*       H32*       G       G         200       G       G       G       G       G       G       G       G       G       G         187       G</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     AB1*     0     0     0     0     ADN205B-MD2*       205     XG32*     KG32*     0     0     C33*     0     B32*     0<!--</th--><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     H31*     0     0     0     0     0     0     0       205     XG32*     KG32*     C     0</th></th></td<></th></td<></th>	221       XG31*       KG31*       0       0       C31*       0       B31*       0         205       XG32*       KG32*       0       0       0       0       0       0         200       0       0       0       0       0       0       0       0         187       0       0       0       0       0       0       0       0       0         180       XG1*       KG1*       C7A       C7*       0       B7A*       0       H7A*         145       XG6*       KG6*       C6A       C6*       0       B6A*       0       H6A*         139       0       C13^A       C13*       0       B13**       0       H9A*         135       XG5*       KG5*       C5^A       C5*       0       B5*       0       H9*         133       XG8*       KG8*       C8*       C8*       0       B8*       0       H4*         133       XG4*       KG4*       C4A       C4*       0       B4*       0       0         120       0       0       0       0       0       0       0       0       0	221       XG31*       KG31*       O       C31*       O       B31*       O       H31*         205       XG32*       KG32*       O       C       C33*       D       B32*       O       H32*         200       O <td< th=""><th>221       XG31*       KG31*       C       C       C31*       C       B31*       H31*       C         205       XG32*       KG32*       C       C       C33*       B32*       H32*       C         200       C       <td< th=""><th>221       XG31*       KG31*       G       G       C31*       G       B31*       G       H31*       G       G         205       XG32*       KG32*       G       G       C33*       B32*       H32*       G       G         200       G       G       G       G       G       G       G       G       G       G         187       G</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     AB1*     0     0     0     0     ADN205B-MD2*       205     XG32*     KG32*     0     0     C33*     0     B32*     0<!--</th--><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     H31*     0     0     0     0     0     0     0       205     XG32*     KG32*     C     0</th></th></td<></th></td<>	221       XG31*       KG31*       C       C       C31*       C       B31*       H31*       C         205       XG32*       KG32*       C       C       C33*       B32*       H32*       C         200       C <td< th=""><th>221       XG31*       KG31*       G       G       C31*       G       B31*       G       H31*       G       G         205       XG32*       KG32*       G       G       C33*       B32*       H32*       G       G         200       G       G       G       G       G       G       G       G       G       G         187       G</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0</th><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     AB1*     0     0     0     0     ADN205B-MD2*       205     XG32*     KG32*     0     0     C33*     0     B32*     0<!--</th--><th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     H31*     0     0     0     0     0     0     0       205     XG32*     KG32*     C     0</th></th></td<>	221       XG31*       KG31*       G       G       C31*       G       B31*       G       H31*       G       G         205       XG32*       KG32*       G       G       C33*       B32*       H32*       G       G         200       G       G       G       G       G       G       G       G       G       G         187       G	221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0	221       XG31*       KG31*       0       0       C31*       0       B31*       0       H31*       0	221     XG31*     KG31*     0     0     C31*     0     B31*     0     AB1*     0     0     0     0     ADN205B-MD2*       205     XG32*     KG32*     0     0     C33*     0     B32*     0 </th <th>221     XG31*     KG31*     0     0     C31*     0     B31*     0     H31*     0     0     0     0     0     0     0       205     XG32*     KG32*     C     0</th>	221     XG31*     KG31*     0     0     C31*     0     B31*     0     H31*     0     0     0     0     0     0     0       205     XG32*     KG32*     C     0

SET safe SET fuse

**SD Series** 

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