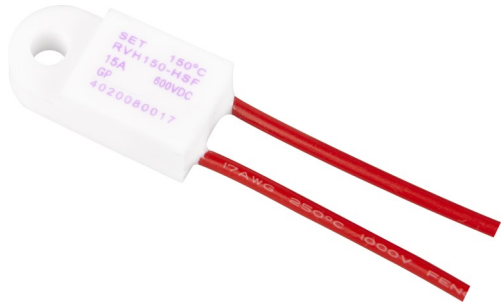


DC-ATCO

Direct Current Thermal-Link (Alloy Type)

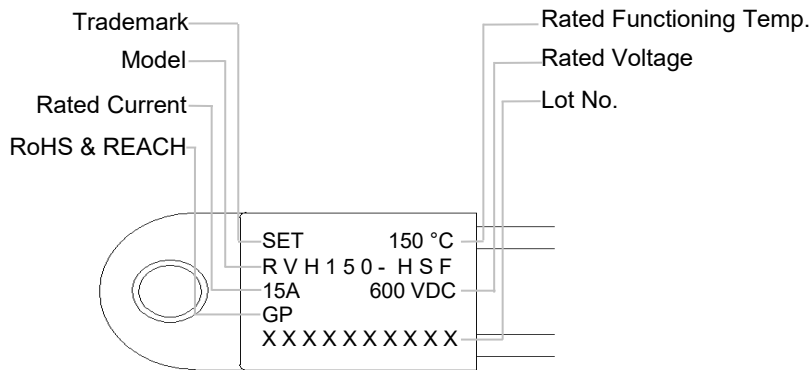
RVH Series



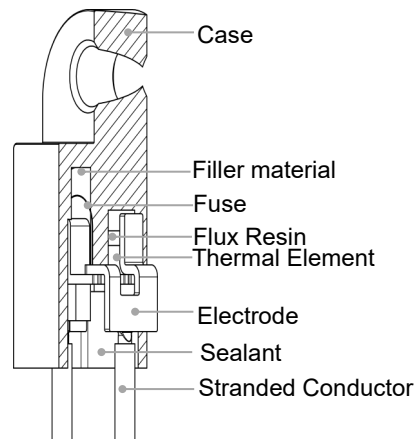
Description

The Direct Current Thermal-Link Alloy Type (DC-ATCO) is defined as a non-resettable protective device functioning only once. It is widely used for over-temperature protection of electrical equipment and electric vehicles. The DC-ATCO primarily consists of Case, Filler material, Fuse, Flux Resin, a low melting point Thermal Element, Electrode, Sealant and Stranded Conductor. Normally, the Thermal Element is joined to the two lead wires. When the temperature reaches the fusing temperature of the Direct Current Thermal-Link (Alloy Type), the Thermal Element melts and quickly retracts to the two lead wire ends with the aid of the flux resin, disconnecting the circuit completely. The SETsafe | SETfuse Direct Current Thermal-Link (Alloy Type) is classified into Axial and Radial shapes, with a Rated Functioning Temperature ranging from 102 °C to 187 °C, Rated Current 15 A, Rated Voltage 600 VDC. It is also RoHS and REACH compliant.

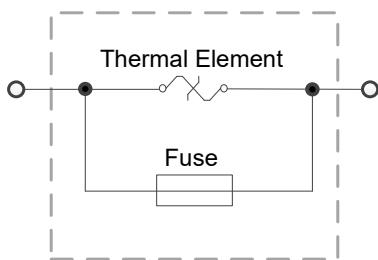
Marking



Structure Diagram



Product Schematic



Features

- 0 to 600 VDC Operating Voltage
- High Accuracy of Functioning Temp.
- Ceramic Case
- Non-Resettable
- RoHS & REACH Compliant

Applications

- Battery Cooling Heaters
- Air-Conditioners Heaters
- Pre-charged Resistors
- High Power LED

Customization

- Rated Functioning Temp.
- Stranded Conductor Size

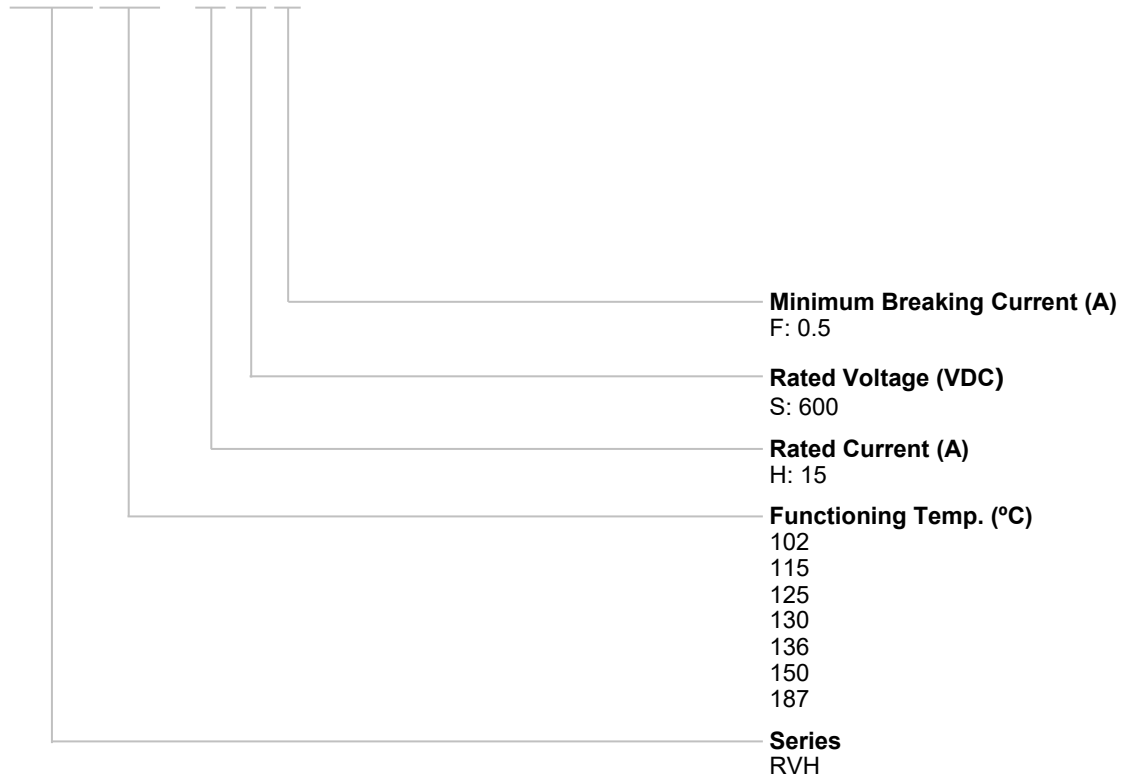
DC-ATCO

Direct Current Thermal-Link (Alloy Type)

RVH Series

Part Number System

RVH150 - H S F

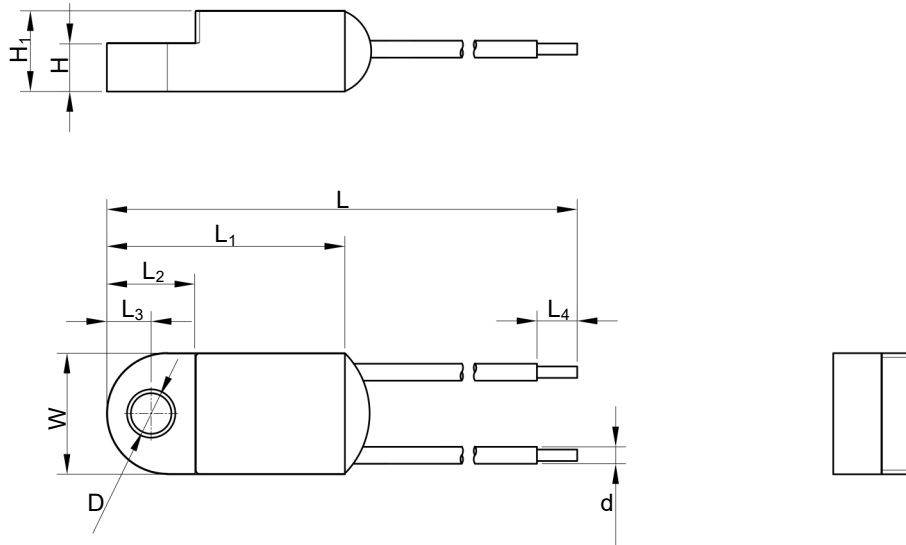


DC-ATCO

Direct Current Thermal-Link (Alloy Type)

RVH Series

Dimensions (Unit: mm)



L	L ₁	L ₂	L ₃	L ₄	W	H	H ₁	D	d
129.5 ± 5.0	29.5 ± 1.0	11.0 ± 0.5	5.5 ± 0.5	10.0 ± 1.0	15.0 ± 1.0	6.0 ± 0.5	10.0 ± 1.0	5.0 ± 0.5	AWG17

Specifications

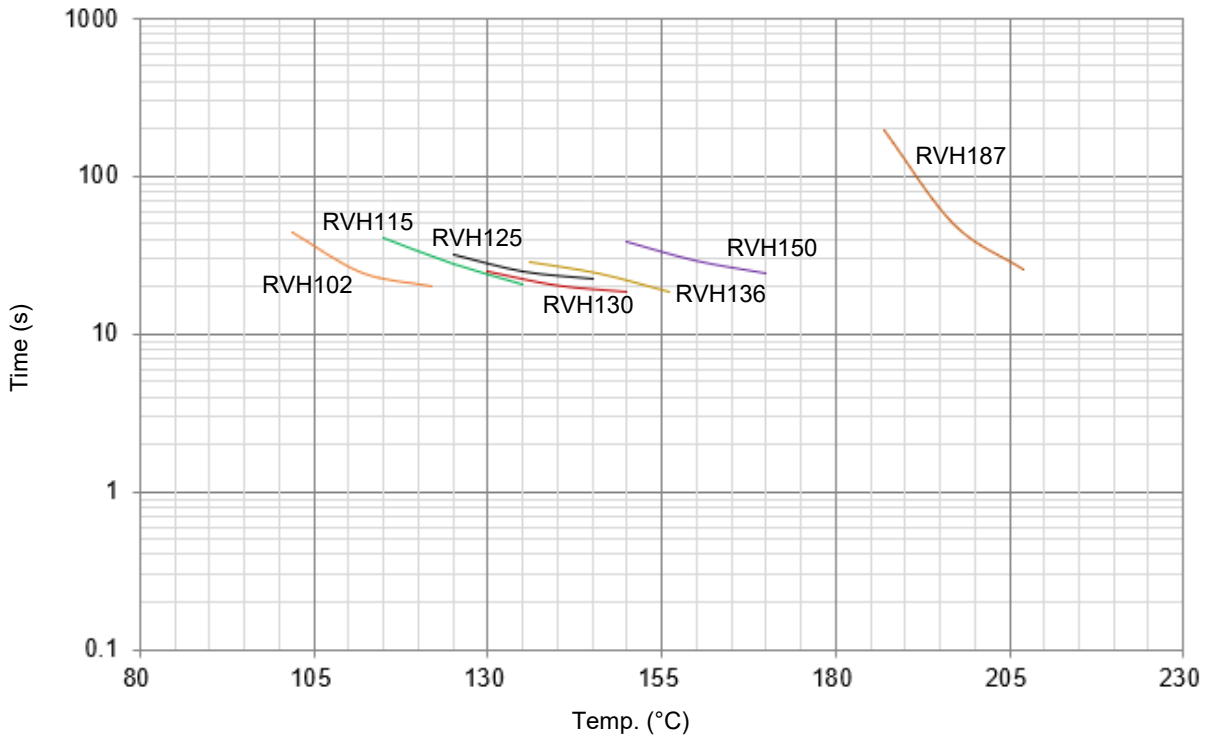
Rated Functioning Temp. (T_f) °C

	Model	I _r	U _r	Rated Functioning Temp.	T _h	T _m	I _{min}	RoHS REACH
		(A)	DC (V)	(°C)	(°C)	(°C)	(A)	
187	RVH187-HSF	15	600	182 ⁺⁵ / ₋₃	160	250	0.5	●
150	RVH150-HSF	15	600	146 ± 3	100	250	0.5	●
136	RVH136-HSF	15	600	131 ± 3	75	250	0.5	●
130	RVH130-HSF	15	600	126 ± 3	60	250	0.5	●
125	RVH125-HSF	15	600	122 ± 3	65	250	0.5	●
115	RVH115-HSF	15	600	112 ± 3	72	250	0.5	●
102	RVH102-HSF	15	600	99 ⁺⁵ / ₋₃	65	250	0.5	●

Note:
1. RoHS & REACH Comply.

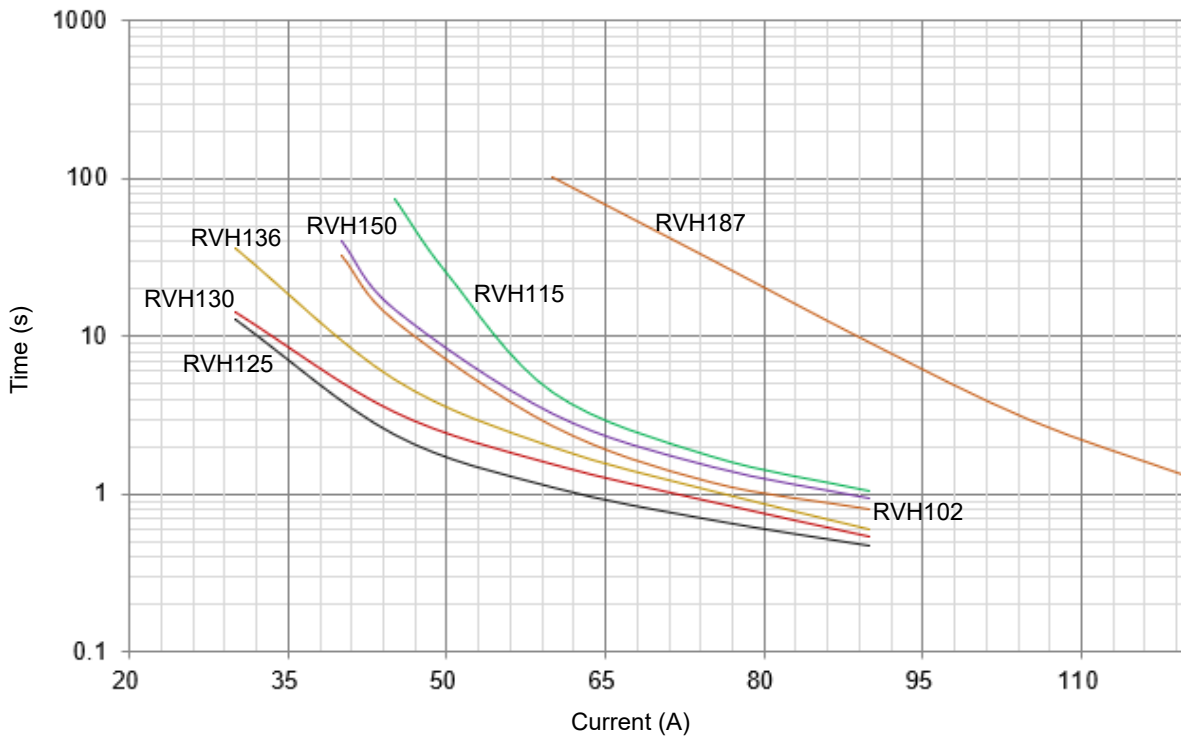
Temp.-Time Curve

The functioning temperature time curve of Alloy Thermal-Link in different Temp. oil bath (For reference only).



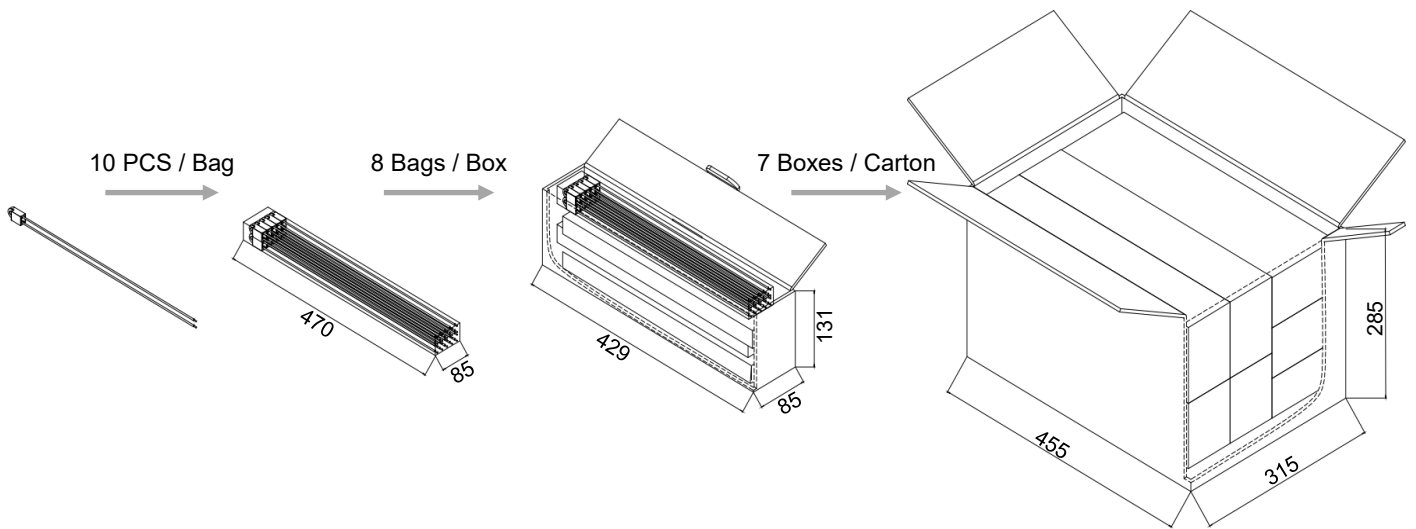
Current-Time Curve

This is an illustrated curve, describing the opening time at Multi-times rated current in the condition of the room Temp. 25 °C (For reference only).



Packaging Information

Item	PE Bag	Box	Carton
Dimensions (mm)	470 x 85	429 x 85 x 131	455 x 315 x 285
Quantity (PCS)	10	80	560
Gross Weight (kg)			9 ± 10%



Glossary

Item	Description
DC-ATCO	DC-Alloy Thermal-Link DC-Alloy type Thermal-Link, Alloy is thermal element.
T_f	Rated Functioning Temp. The temperature of the Thermal-Link which causes it to change the state of conductivity with a detection current up to 10 mA as the only load. Tolerance: T_f (0 / -10) °C (GB 9816, EN 60691, K60691). Tolerance: $T_f \pm 7$ °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.
T_h	Holding Temp. The Maximum temperature at which a Thermal-Link will not change its state of conductivity when conducting rated current for 168 hours.
T_m	Maximum Temp. Limit The temperature of the Thermal-Link stated by the manufacturer, up to which the mechanical and electrical properties of the Thermal-Link having changed its state of conductivity, will not be impaired for a given time.
I_{min}	Minimum Breaking Current The minimum current that Fuse requires after the Alloy of Thermal-Link opens in the circuit.
I_r	Rated Current The current used to classify a Thermal-Link, which is the maximum current that Thermal-Link allows to carry and is able to cut off the circuit safely.
U_r	Rated Voltage The voltage used to classify a Thermal-Link, which is the maximum voltage that Thermal-link allows to carry and is able to cut off the circuit safely.



ATTENTION

Usage

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

Replacement

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

Storage

Do not store the DC-ATCO at the high temp., high humidity or corrosive gas environment. The product shall be stored at 25 ± 5 °C and $\leq 70\%$ RH, avoid direct sunlight and shall use them up within 1 year after receiving the goods.

Installation

Make Sure the Temp. of Installation Position

1. It is recommended that a dummy DC-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 DC-ATCO.
3. Mount the DC-ATCO at the location where temp. rises evenly.

Installation position of mechanical performance requirements

1. Ensure that the lead wire is long enough, and avoid actions such as press, tensile or twist.
2. The seal or body of DC-ATCO must not be damaged, burned or over heated.

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 DC-ATCO.
3. Contact resistance should be minimal, Large contact resistance will lead to higher temp., DC-ATCO Functioning in advance.

Soldering

Hand-Soldering

1. Soldering should be carried out according to Table T-1.
2. The thermal element of DC-ATCO is thermal element with low melting point, which is jointed with DC-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 DC-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 DC-ATCO body.
4. When soldering, please do not pull / push or twist DC-ATCO body or lead wires.
5. After soldering, let it naturally cool for longer than 20 seconds. During cooling, never move the DC-ATCO body or lead wires.

TABLE T-1 Hand-Soldering Time

Rated Functioning Temp. (T_f)	Max. Allowable Soldering Time for Different Lead Wire Length (Fig.H-1)						Max. Soldering Temp.
	Length	Time	Length	Time	Length	Time	
		Tinned Copper Wire		Tinned Copper Wire		Tinned Copper Wire	
(°C)	(mm)	(s)	(mm)	(s)	(mm)	(s)	(°C)
76 ~ 101	10	1 ^a	20	2	30	3	400
102 ~ 115	10	1 ^a	20	2	30	3	
116 ~ 135	10	1 ^a	20	3	30	5	
136 ~ 150	10	3	20	5	30	5	
151 ~ 230	10	4	20	6	30	7	

a: Auxiliary heat sink fixture is required to avoid DC-ATCO cutting off unexpectedly.

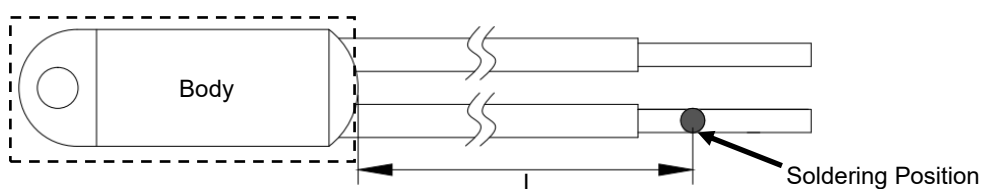


FIGURE T-1

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 Figure 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 DC-ATCO body) as such forces may damage the seal of DC-ATCO.

Bending radius $R: \geq 15 d$, as shown in Figure T-2.

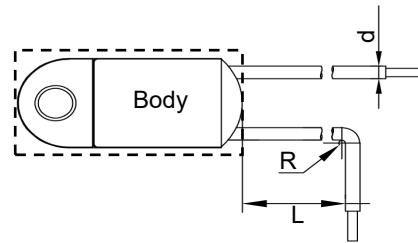





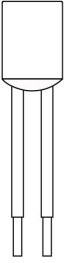





FIGURE T-2


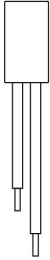



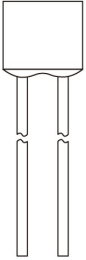
TABLE T-3 Distance between Body and Bending Point

Lead Wire	d	(mm)	< 1.0	1.0 to 1.2	> 1.2
	L	(mm)	≥ 3	≥ 5	≥ 10

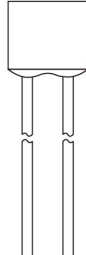
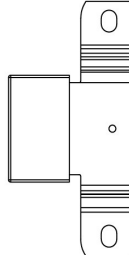
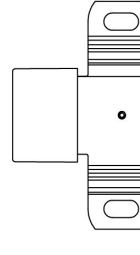
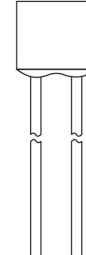
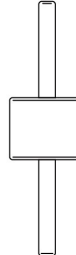
Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T _r) °C	Model								
	TGH187-HVS [^]	ASL187A-LSF [^]	RSK187A-KSS [^]	RVH187-HSF [^]	ARL187-LRA [^]			RQF187-FQS [^]	
230	○	○	○	○	○	○	○	○	○
221	○	○	○	○	○	○	○	○	○
205	○	○	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○
187	TGH187-HVS [^]	ASL187A-LSF [^]	RSK187A-KSS [^]	RVH187-HSF [^]	ARL187-LRA [^]	○	○	RQF187-FQS [^]	○
160	○	○	○	○	○	○	○	○	○
150	TGH150-HVS [^]	ASL150A-LSF [^]	RSK150A-KSS [^]	RVH150-HSF [^]	ARL150-LRA [^]	RPK150-HRZ [^]	TG150C-HQZ [^]	RQF150-FQS [^]	TG150C-JPZ [^]
145	○	○	○	○	○	○	○	○	○
139	○	○	○	○	○	○	○	○	○
136	TGH136-HVS [^]	ASL136A-LSF [^]	RSK136A-KSS [^]	RVH136-HSF [^]	ARL136-LRA [^]	RPK136-HRZ [^]	TG136C-HQZ [^]	RQF136-FQS [^]	TG136C-JPZ [^]
135	○	○	○	○	○	○	○	○	○
133	○	○	○	○	○	○	○	○	○
130	TGH130-HVS [^]	○	○	RVH130-HSF [^]	○	○	○	RQF130-FQS [^]	○
125	TGH125-HVS [^]	ASL125A-LSF [^]	RSK125A-KSS [^]	RVH125-HSF [^]	ARL125-LRA [^]	RPK125-HRZ [^]	TG125C-HQZ [^]	RQF125-FQS [^]	TG125C-JPZ [^]
123	○	○	○	○	○	○	○	○	○
120	○	○	○	○	○	○	○	○	○
115	TGH115-HVS [^]	ASL115A-LSF [^]	RSK115A-KSS [^]	RVH115-HSF [^]	ARL115-LRA [^]	RPK115-HRZ [^]	TG115C-HQZ [^]	RQF115-FQS [^]	TG115C-JPZ [^]
105	○	○	○	○	○	○	○	○	○
102	TGH102-HVS [^]	ASL102A-LSF [^]	RSK102A-KSS [^]	RVH102-HSF [^]	ARL102-LRA [^]	RPK102-HRZ [^]	TG102C-HQZ [^]	RQF102-FQS [^]	TG102C-JPZ [^]
97	○	○	○	○	○	○	○	○	○
93	○	○	○	○	○	○	○	○	○
86	○	○	○	○	ARL86-LRA [^]	○	TG86C-HQZ [^]	RQF86-FQS [^]	○
76	○	○	○	○	○	○	○	○	○
I_r (A) Rated Current	15	30	25	15	30	15	15	10	20
U_r (VDC)[^] Rated Voltage	850		600		500		450		400
U_r (VAC)[*] Rated Voltage	○	○	○	○	○	○	○	○	○
Product Structure									
	Axial Shape		Radial Shape		Axial Shape	Radial Shape	Axial Shape	Radial Shape	Axial Shape

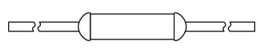
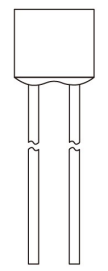
Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_f) °C	Model												
	TG150C-JSZ*				HN150^*	HP150^*	HS150^*		QD150^A	PD150^A	TD150^A	SD150^A	
230	○	○	○	○	○	○	○	○	○	○	○	○	
221	○	○	○	○	○	○	○	○	○	○	○	○	
205	○	○	○	○	○	○	○	○	○	○	○	○	
200	○	○	○	○	○	○	○	○	○	○	○	○	
187	○	○	○	○	○	○	○	○	○	○	○	○	
160	○	○	○	○	○	○	○	○	○	○	○	○	
150	TG150C-JSZ*	○	○	○	HN150^*	HP150^*	HS150^*	○	QD150^A	PD150^A	TD150^A	SD150^A	
145	○	○	○	○	○	○	○	○	○	○	○	○	
139	○	○	○	○	○	○	○	○	○	○	○	○	
136	TG136C-JSZ*	○	○	○	HN136^*	HP136^*	HS136^*	○	QD136^A	PD136^A	TD136^A	SD136^A	
135	○	○	○	○	○	○	○	○	○	○	○	○	
133	○	○	○	○	○	○	○	○	○	○	○	○	
130	○	○	○	○	○	○	○	○	QD130^A	PD130^A	TD130^A	SD130^A	
125	TG125C-JSZ*	○	○	○	HN125^*	HP125^*	HS125^*	ALP125-PLZ^A	QD125^A	PD125^A	TD125^A	SD125^A	
123	○	○	○	○	○	○	○	○	○	○	○	○	
120	○	○	○	○	○	○	○	○	○	○	○	○	
115	TG115C-JSZ*	○	○	ALP115-HLZ^A	○	○	○	○	QD115^A	PD115^A	TD115^A	SD115^A	
105	○	○	○	○	○	○	○	○	○	○	○	○	
102	TG102C-JSZ*	○	○	○	○	○	○	ALP102-PLZ^A	QD102^A	PD102^A	TD102^A	SD102^A	
97	○	○	○	○	○	○	○	○	○	○	○	○	
93	○	○	○	○	○	○	○	○	○	○	○	○	
86	○	TG86C-HSZ*	RPF86-FPF^A	○	○	○	○	○	○	○	○	○	
76	○	○	○	○	○	○	○	○	○	○	○	○	
I_r (A) Rated Current													
	20	15	10	15	15	10	5	60	20	15 16	10	25	
U_r (VDC)^A Rated Voltage													
		○	400		200			180		125			
U_r (VAC)^* Rated Voltage													
	600		○		690	500		○		○			
Product Structure													
													
	Axial Shape	Radial Shape			Axial Shape					Radial Shape			

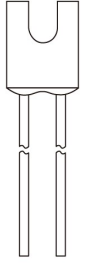

Direct Current Thermal-Link Alloy Type (DC-ATCO) Features & Model List Overview

Rated Functioning Temp. (T_f) °C	Model													
	Q136**	Q136*	Q136*	P136**	P136*	P136*	TB136-UHZ^A	TB136-UJZ*	TS136-RHZ^A	TS136-RJZ*	S136^A	T136^A	ADN230B-NEZ	
230	○	○	○	○	○	○	○	○	○	○	○	○	○	○
221	○	○	○	○	○	○	○	○	○	○	○	○	○	○
205	○	○	○	○	○	○	○	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○	○	○	○	○	○
187	○	○	○	○	○	○	○	○	○	○	○	○	○	○
160	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150	○	○	○	○	○	○	○	○	○	○	S150^A	T150^A	○	○
145	○	○	○	○	○	○	○	○	○	○	○	○	○	○
139	○	○	○	○	○	○	○	○	○	○	○	○	○	○
136	○	○	○	○	○	○	○	○	○	○	○	○	○	○
135	○	○	○	○	○	○	○	○	○	○	○	○	○	○
133	○	○	○	○	○	○	○	○	○	○	○	○	○	○
130	○	○	○	○	○	○	○	○	○	○	○	○	○	○
125	○	○	○	○	○	○	○	○	○	○	○	○	○	○
125	Q125**	○	○	P125**	○	○	TB125-UHZ^A	TB125-UJZ*	TS125-RHZ^A	TS125-RJZ*	○	○	○	○
123	○	○	○	○	○	○	○	○	○	○	○	○	○	○
120	○	○	○	○	○	○	○	○	○	○	○	○	○	○
115	Q115**	Q115*	Q115*	P115**	P115*	P115*	TB115-UHZ^A	TB115-UJZ*	TS115-RHZ^A	TS115-RJZ*	S115^A	T115^A	○	○
105	○	○	○	○	○	○	○	○	○	○	○	○	○	○
102	Q102**	○	○	P102**	P102*	P102*	TB102-UHZ^A	TB102-UJZ*	TS102-RHZ^A	TS102-RJZ*	S102^A	T102^A	○	○
97	○	○	○	○	○	○	○	○	○	○	○	○	○	○
93	○	○	○	○	○	○	○	○	○	○	○	○	○	○
86	○	○	○	○	○	○	○	○	○	○	○	○	○	○
76	○	○	○	○	○	○	○	○	○	○	○	○	○	○
I_r (A) Rated Current	25			20			200		100		10	15 16	50	
U_r (VDC)^A Rated Voltage	120						100	○	100	○	100	○	60	
U_r (VAC)* Rated Voltage	400	300	250	400	300	250	○	125	○	125	○	○	○	
Product Structure														
							Radial Shape						Axial Shape	

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Rated Functioning Temp. (T _r) °C	Model																						
	R31 ^Λ *	U31 ^Λ *							C31 ^Λ *					B31 ^Λ *	H31 ^Λ *	V31 ^Λ *	V31*			X31*	K31*		
230	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
221	R32 ^Λ *	U32 ^Λ *							C32 ^Λ *					B32 ^Λ *	H32 ^Λ *	V32 ^Λ *	V32*			X32*	K32*		
205	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
187	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	X17 ^Λ *	K17 ^Λ *		
160	R16 ^Λ *	U16 ^Λ *							C16 ^Λ *						H16 ^Λ *	V16 ^Λ *				X16 ^Λ *	K16 ^Λ *	F16*	
150	R7 ^Λ *	U7 ^Λ *																		X7*	K7*	F7*	
145	R6 ^Λ *	U6 ^Λ *	C6 ^Λ									X6 ^Λ						K6 ^Λ	F6 ^Λ	X6*	K6*	F6*	
139	○	CR13 ^Λ	○	M13 ^Λ	C13 ^Λ					SF13 ^Λ	V13 ^Λ								F13 ^Λ	○		F13*	
136	○	○	○	○	○	○	○	○	○	○	○	X9 ^Λ						K9 ^Λ	○	X9*	K9*	○	
135	R5 ^Λ *	U5 ^Λ *																		X5*	K5*	○	
133	○	○	○	○	○	○	○	○	○		V8 ^Λ	SF8 ^Λ							F8 ^Λ	X8*	K8*	F8*	
130	R4 ^Λ *	U4 ^Λ *									V4 ^Λ	SF4 ^Λ							F4 ^Λ	X4*	K4*	F4*	
125	R3 ^Λ *	U3 ^Λ *													H3 ^Λ *				○	X3 ^Λ *	K3 ^Λ *	F3*	
123	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
120	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
115	R2 ^Λ *	U2 ^Λ *				C2 ^Λ					V2 ^Λ	SF2 ^Λ							F2 ^Λ	X2 ^Λ *	K2 ^Λ *	F2*	
105	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
102	R1 ^Λ *	U1 ^Λ *																	F1 ^Λ	X1 ^Λ *	K1 ^Λ *	F1*	
97	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
93	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
86	R18 ^Λ *	U18 ^Λ *							C18 ^Λ						V18 ^Λ				F18 ^Λ	X18 ^Λ *	K18 ^Λ *	F18*	
76	R0 ^Λ *	U0 ^Λ *																		X0*	K0*	F0*	
I_r (A) Rated Current		15	10	9	8.5	8	6	5	4	3	2.5	2	1	4	3	2	1						
U_r (VDC)^Λ Rated Voltage		60																					
U_r (VAC)[*] Rated Voltage		250	250				250			250		250	125			250							
Product Structure		 <p>Axial Shape</p>										 <p>Radial Shape</p>											

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Rated Functioning Temp. (T_r) °C	Model										ADN230B-NDZ ^Δ	ADN230B-PDZ ^Δ	ADN230B-QBZ ^Δ
	XG31*	KG31*			C31*		B31*		H31*				
230	○	○	○	○	○	○	○	○	○	○			
221	XG31*	KG31*	○	○	C31*	○	B31*	○	H31*	○			ADN205B-NDZ ^Δ
205	XG32*	KG32*	○	○	C33*	○	B32*	○	H32*	○			
200	○	○	○	○	○	○	○	○	○	○			
187	○	○	○	○	○	○	○	○	○	○			
160	XG16*	KG16*	○	○	○	B16*	○	○	○	○			
150	XG7*	KG7*	C7 ^Δ	C7*	○	B7 ^Δ	○	H7 ^Δ	○	V7 ^Δ	○		
145	XG6*	KG6*	C6 ^Δ	C6*	○	B6 ^Δ	○	H6 ^Δ	○	V6 ^Δ	○		
139	○	○	C13 ^Δ	C13*	○	B13 ^Δ	○	H13 ^Δ	○	V13 ^Δ	○		
136	XG9*	KG9*	C9 ^Δ	C9*	○	B9 ^Δ	○	H9 ^Δ	○	V9 ^Δ	○		
135	XG5*	KG5*	C5 ^Δ	C5*	○	B5 ^Δ	○	H5 ^Δ	○	V5 ^Δ	○		
133	XG8*	KG8*	C8 ^Δ	C8*	○	B8 ^Δ	○	H8 ^Δ	○	V8 ^Δ	○		
130	XG4*	KG4*	C4 ^Δ	C4*	○	B4 ^Δ	○	H4 ^Δ	○	V4 ^Δ	○		
125	XG3 ^Δ *	KG3 ^Δ *	C3 ^Δ	C3*	○	B3 ^Δ *	○	○	○	V3 ^Δ *	○		
123	○	○	○	○	○	○	○	○	○	○	○		
120	○	○	○	○	○	○	○	○	○	○	○		
115	XG2 ^Δ *	KG2 ^Δ *	C2 ^Δ	C2*	○	B2 ^Δ *	○	H2 ^Δ *	○	V2 ^Δ *	○		
105	○	○	○	○	○	○	○	○	○	○	○		
102	XG1 ^Δ *	KG1 ^Δ *	○	C1 ^Δ *	C1*	B1 ^Δ *	B1*	H1 ^Δ *	H1*	V1 ^Δ *	V1*		
97	○	○	○	○	C21 ^Δ *	○	B21 ^Δ *	○	H21 ^Δ *	○	V21 ^Δ *		
93	○	○	○	○	○	○	○	○	○	○	○		
86	XG18 ^Δ *	KG18 ^Δ *	○	C18 ^Δ *	C18*	B18 ^Δ *	B18*	H18 ^Δ *	H18*	V18 ^Δ *	V18*		
76	XG0*	KG0*	○	C0*	○	B0 ^Δ *	B0*	H0 ^Δ *	H0*	V0 ^Δ *	V0*		
I_r (A) Rated Current	3	2	7	5	3	2	1	50	55	50	80		
U_r (VDC) ^Δ Rated Voltage	60				50			49		48	24		
U_r (VAC) [*] Rated Voltage	250	○	250	125	250	125	250	125	250	125			
Product Structure	 <p>Radial Shape</p>					 <p>Axial Shape</p>					