

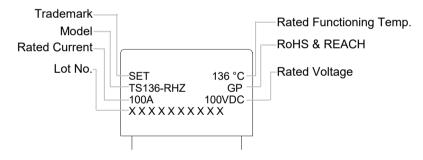
Description

The Direct Current Thermal-Link Alloy Type (DC-ATCO) is a thermal-link that utilizes low melting point alloys, known as the thermal element, which fuse when heated to a specific fusing temperature. This allows for controlled circuit disconnection. The DC-ATCO is composed of various components, including a case, the low melting point alloys (thermal element), flux resin, sealant and electrode lead.

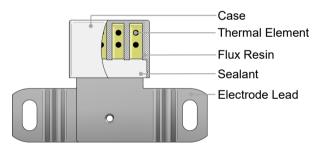
The DC-ATCO is widely employed for over-temperature protection in electrical equipment and electric vehicles. Typically, the low melting point alloys (thermal element) are connected in series between two electrode pins. When the temperature reaches the predetermined fusing temperature of the DC-ATCO, the low melting point alloys (thermal element) melt and swiftly retract to the ends of the two pins, facilitated by the flux resin. This effectively disconnects the circuit.

The SETsafe | SETfuse Direct Current Thermal-Link (Alloy Type) is available in axial and radial shapes, with a rated functioning temperature ranging from 102 °C to 136 °C, rated current: 80 A, 100 A, rated voltage: 100 VDC, 250 VAC, 125 VAC. Additionally, it holds UL and cUL Approvals, and is compliant with RoHS and REACH regulations.

Marking



Structure Diagram



Agency Information

| Agency Symbol | Standards | The File No. and certification No. obtained by SETsafe SETfuse |
|------------------|--------------------|--|
| A l® | UL60691 | E214712 |
| c FU ® | CAN-CSA- E60691 | E214712 |

Features

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

Applications

- **EV Battery Modules**
- Automatic Electronics

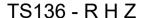
Customization

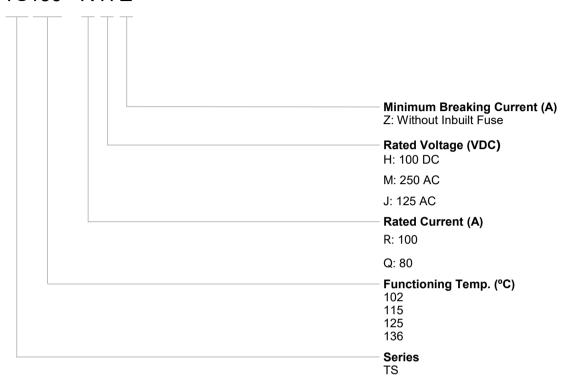
- Rated Functioning Temp.
- The Shape of Electrode Lead



TS Series

Part Number System





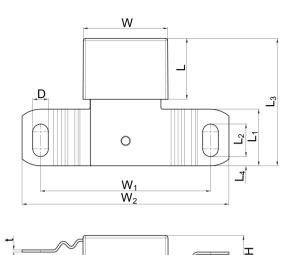
Reminder:

Part numbering system in the datasheet is only for selecting correct parameter and product features. Before placing order, please contact us for specifications and use the part number and product code in the specifications to place order to ensure the part is correct. Product code is the unique indentification.



TS Series

Dimensions (Unit: mm)



| L | L ₁ | L ₂ | L ₃ | L ₄ | W | W ₁ | W ₂ | D | Н | t |
|------------|----------------|----------------|----------------|----------------|------------|----------------|----------------|-----------|------------|-------------|
| 21.5 ± 0.5 | 20.0 ± 0.5 | 11.5 ± 0.5 | 45.5 ± 2.0 | 3.25 ± 0.50 | 30.0 ± 0.5 | 60.0 ± 2.0 | 73.0 ± 2.0 | 5.5 ± 0.2 | 11.8 ± 0.5 | 0.80 ± 0.05 |

Specifications

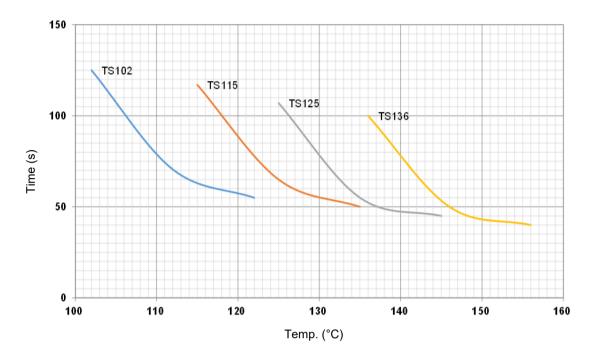
| | | Model | I _r | U _r | Rated Functioning Temp. | T_{h} | T _m | 71 ® | c 711 ® | RoHS REACH |
|----------------------------|-----|-------|----------------|----------------|-------------------------|---------|----------------|-------------|----------------|---------------|
| ပ္ | | | (A) | (V) | (°C) | (°C) | (°C) | UL | cUL | 112/1011 |
| (| | | 80 | AC 250 | | | | • | • | • |
| Temp. (T _f) °C | 136 | TS136 | 100 | AC 125 | 131 ± 3 | 91 | 180 | • | • | • |
| np. | | | 100 | DC 100 | | | | • | • | • |
| Ter | | | 80 | AC 250 | | | | • | • | • |
| | 125 | TS125 | 100 | AC 125 | 122 ± 3 | 80 | 180 | • | • | • |
| ju | | | 100 | DC 100 | | | | • | • | • |
| ctic | | | 80 | AC 250 | | | | 0 | 0 | • |
| Functioning | 115 | TS115 | 100 | AC 125 | 112 ± 3 | 70 | 180 | 0 | 0 | • |
| D H | | | 100 | DC 100 | | | | 0 | 0 | • |
| Rated | | | 80 | AC 250 | | | | 0 | 0 | • |
| ď | 102 | TS102 | 100 | AC 125 | 99 - 3 | 60 | 180 | 0 | 0 | • |
| | | | 100 | DC 100 | | | | 0 | 0 | • |

Note:

- 1. "●" Means certificated, "○" Means non-certificated.
- 2. RoHS & REACH Comply.

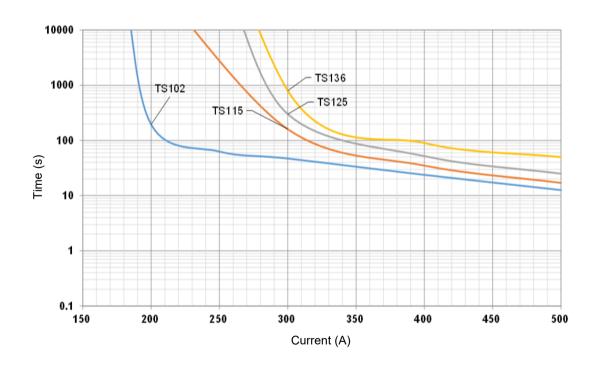
Temp.-Time Curve

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).

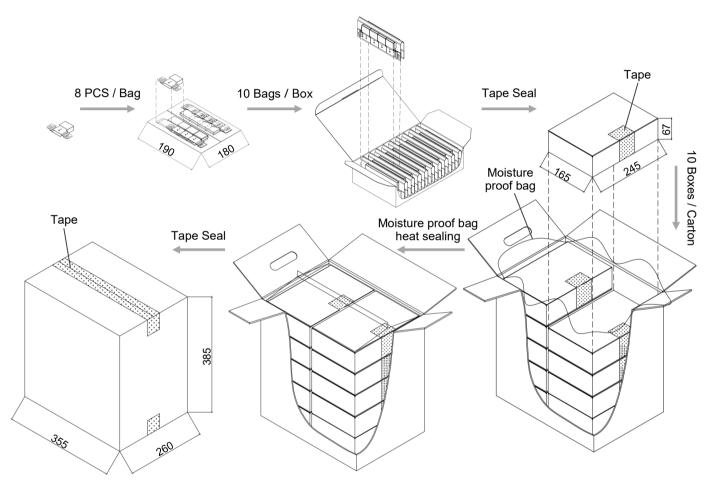




TS Series

Packaging Information

| Item | PE Bag | Вох | Carton |
|-------------------|-----------|----------------|-----------------|
| Dimensions (mm) | 190 x 180 | 165 x 245 x 67 | 355 x 260 x 385 |
| Quantity (PCS) | 8 | 80 | 800 |
| Gross Weight (kg) | | | 27.5 ± 10% |





TS Series

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. |
| J _{min} | Minimum Breaking Current The minimum current that Fuse requires after the Alloy of Thermal-Link opens in the circuit. |
| I, | 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. |



TS Series



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 ≤ 70% RH, avoid direct sunlight and shall use them up within 1 year after receiving the goods.



TS Series

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. he terminal product should be tested to ensure that potential abnormal conditions do not cause ambient temp. to exceed the $T_{\rm m}$ 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.

| | 230 221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|-----------------|---------------------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------|
| | 205 | 0 | 0 | | | | | | | | |
| | 200 | 0 | 0 | | | | | | | | |
| ပ္ | 187 | TGH187-HVS^ | ASL187A-LSF^ | RSK187A-KSS [^] | RVH187-HSF [^] | ARL187-LRA^ | | | RQF187-FQS^ | | |
| | 160 | 0 | 0 | | | | | | | | |
| Ë | 150 | TGH150-HVS [^] | ASL150A-LSF^ | RSK150A-KSS [^] | RVH150-HSF [^] | ARL150-LRA^ | RPK150-HRZ [^] | TG150C-HQZ [^] | RQF150-FQS^ | TG150C-JPZ^ | |
| o. | 145 | 0 | 0 | | | | | | | | |
| Ξ | 139 | 0 | 0 | | | | | | | | |
| P | 136 | TGH136-HVS [^] | ASL136A-LSF^ | RSK136A-KSS [^] | RVH136-HSF [^] | ARL136-LRA^ | RPK136-HRZ [^] | TG136C-HQZ [^] | RQF136-FQS^ | TG136C-JPZ [^] | _ |
| 5 | 135 | 0 | 0 | | | | | | | | |
| Rated Functioning Temp. (T_i) $^\circ$ C | 133 | 0 | 0 | | | | | | | | Model |
| <u>.</u> | 130 | TGH130-HVS [^] | | | RVH130-HSF [^] | | | | RQF130-FQS^ | | <u> </u> |
| ट | 125 | TGH125-HVS [^] | ASL125A-LSF^ | RSK125A-KSS [^] | RVH125-HSF [^] | ARL125-LRA^ | RPK125-HRZ [^] | TG125C-HQZ [^] | RQF125-FQS^ | TG125C-JPZ^ | |
| 듬 | 123 | 0 | 0 | | | | | | | | |
| Œ. | 120 | 0 | 0 | | | | | | | | |
| eq | 115 | TGH115-HVS [^] | ASL115A-LSF [^] | RSK115A-KSS [^] | RVH115-HSF [^] | ARL115-LRA [^] | RPK115-HRZ [^] | TG115C-HQZ [^] | RQF115-FQS [^] | TG115C-JPZ^ | |
| at | 105 | 0 | 0 | | | | | | | | |
| œ | 102 | TGH102-HVS^ | ASL102A-LSF [^] | RSK102A-KSS [^] | RVH102-HSF [^] | ARL102-LRA^ | RPK102-HRZ [^] | TG102C-HQZ [^] | RQF102-FQS^ | TG102C-JPZ [^] | |
| | 97 | 0 | 0 | | | | | | | | |
| | 93 | 0 | 0 | | | | | | | | |
| | 86 | 0 | | | | ARL86-LRA^ | | TG86C-HQZ^ | RQF86-FQS^ | | |
| | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| r (A Rated C | A) Surrent | 15 | 30 | 25 | 15 | 30 | 15 | 15 | 10 | 20 | |
| U _r (VI Rated V | DC)^ /oltage | 850 | | 600 | | 5 | 00 | 4 | 50 | 400 | |
| U _r (V. Rated V | AC)* /oltage | · · · · · · · · · · · · · · · · · · · | | 0 | | | 0 | | D T | 0 | |
| Proc Struc | duct cture | | | | | | | 0 | 0 | | |
| | | | | | U U | | | | Ш | | |
| | | | Shape | Radial | | Axial Shape | Radial Shape | Axial Shape | Radial Shape | Axial Shape | |

| U _r (VAC)* lated Voltage Product structure | C | | | | | | | | | | | | | |
|--|------------|-------------|------------|------------|-------------|---------|---------|---------|-------------|--------|--------|--------|--------|--|
| Rated Volta Ur (VAC) Rated Volta | | 60 | 0 | 0 | 0 | 690 | 5(| 00 | 0 | | | | | |
| Rated Curre | :)^ | | | 400 | L | 200 | | | 180 | | 16 | | L | |
| / r (A) | | 20 | 15 | 10 | 15 | 15 | 10 | 5 | 60 | 20 | 15 | 10 | 25 | |
| | 76 |) 0 | 1G86C-HSZ" | RPF00-FPF" | | | | | | | | | | |
| | 93 86 | 0 | TG86C-HSZ* | RPF86-FPF^ | | | | | | | | | | |
| | 97 | 0 | | | | | | | | | | | | |
| - | 102 | TG102C-JSZ* | | | | | | | ALP102-PLZ^ | QD102^ | PD102^ | TD102^ | SD102^ | |
| ٥ | 105 | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 | |
| Rated Functioning Temp. (T_{i}) $^{\circ}$ C | 115 | TG115C-JSZ* | | | ALP115-HLZ^ | | | | | QD115^ | PD115^ | TD115^ | SD115^ | |
| L | 120 | 0 | | | 0 | | | | | 0 | 0 | 0 | 0 | |
| 5 . | 123 | 0 | | | | | | | | | | | | |
| 5 | 125 | TG125C-JSZ* | | | | HN125^* | HP125^* | HS125^* | ALP125-PLZ^ | QD125^ | PD125^ | TD125^ | SD125^ | |
| 0 | 130 | 0 | | | | | | | | QD130^ | PD130^ | TD130^ | SD130^ | |
| | 133 | 0 | | | | | | | | | | | | |
| _ | 135 | 0 | | | | | | | | | | | | |
| e | 136 | TG136C-JSZ* | | | | HN136^* | HP136^* | HS136^* | | QD136^ | PD136^ | TD136^ | SD136^ | |
| <u>م</u> ، | 139 | 0 | | | | | | | | | | | | |
| 2 | 145 | 0 | | | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | |
| <u>_</u> | 150 | TG150C-JSZ* | | | | HN150^* | HP150^* | HS150^* | | QD150^ | PD150^ | TD150^ | SD150^ | |
| ر | 160 | 0 | | | | | | | | | | | | |
| | 200 187 | 0 | | | | | | | | | | | | |
| | 205 | 0 | | | | | | | | | | | | |
| | 221 | 0 | | | | | | | | | | | | |
| | 230 | 0 | | | | | | | | | | | | |

| | 4 | | | | | | | | | | | | | | ^ |
|---|------------------|--------|-------|-------|--------|-------|-------|------------------------|---------------------------------------|------------------------|------------|-------------------|-------|-------------|---------------|
| | 230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ADN230B-NEZ | $\overline{}$ |
| | 221 | 0 | | | | | | | | | | | | | |
| | 205 | 0 | | | | | | | | | | | | | 1 |
| | 200 | 0 | | | | | | | | | | | | | 1 |
| O | 187 | 0 | | | | | | | | | | | | | |
| • | 160 | 0 | | | | | | | | | | | | | 1 |
| F | 150 | 0 | | | | | | | | | | S150 [^] | T150^ | | |
| | 145 | 0 | | | | | | | | | | | | | |
| μ | 139 | 0 | | | | | | | | | | | | | |
| <u>•</u> | 136 | Q136^* | Q136* | Q136* | P136^* | P136* | P136* | TB136-UHZ [^] | TB136-UJZ* | TS136-RHZ [^] | TS136-RJZ* | S136 [^] | T136^ | | |
| D | 135 | 0 | | | | | | | | | | | | | Model |
| = | 133 | 0 | | | | | | | | | | | | | <u>d</u> |
| 0 | 130 | 0 | | | | | | TB130-UHZ [^] | TB130-UJZ* | | | | | | <u> </u> |
| Rated Functioning Temp. ($T_{ m r}$) $^{\circ}$ C | 125 | Q125^* | | | P125^* | | | TB125-UHZ [^] | TB125-UJZ* | TS125-RHZ [^] | TS125-RJZ* | | | | |
| 듥 | 123 | 0 | | | | | | | | | | | | | |
| ш | 120 | 0 | | | | | | | | | | | | | |
| eq | 115 | Q115^* | Q115* | Q115* | P115^* | P115* | P115* | TB115-UHZ [^] | TB115-UJZ* | TS115-RHZ [^] | TS115-RJZ* | S115^ | T115^ | | |
| Rat | 105 | 0 | | | | | | | | | | | | | |
| II. | 102 | Q102^* | | | P102^* | P102* | P102* | TB102-UHZ^ | TB102-UJZ* | TS102-RHZ [^] | TS102-RJZ* | S102 [^] | T102^ | | |
| | 97 | 0 | | | | | | | | | | | | | |
| | 93 | 0 | | | | | | | | | | | | | |
| | 86 | 0 | | | | | | | | | | | | | |
| | 76(|) 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | \rightarrow |
| | Current | L | 25 | | L | 20 | | 20 | 00 | 10 | 00 | 10 | 16 | 50 | |
| U _r (V Rated \ | /DC)^ Voltage | | | 12 | 20 | | | 100 | | 100 | | 10 | 00 | 60 | |
| U r (∨ Rated \ | /AC)* Voltage | 400 | 300 | 250 | 400 | 300 | 250 | 0 | 125 | 0 | 125 | | | 0 | |
| Pro Strud | duct cture | | | | | | | | ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° | | • | | | | |
| | | 1 | | | | | | Radial Shap | e | | | | | Axial Shape | ı |

TS Series

| 230 | Produ tructi | | | | | | | | | _(| D= | > ←- | | | | | | | | | | | | |
|---|---------------------|-----|------|---|------|---|---|-----|------|-----|----|----------------|-----|------|----|-----|---|----|-----|-----|-------|-------|-------|-----|
| 221 R31** | J r(VAC | C)* | 250 | 0 | 250 | | | 0 | | 250 | | | | 2 | 50 | 0 | 2 | 50 | 125 | | o | | 250 | |
| 221 R31 ^{A*} O U32 ^{A*} O O O O C31 ^{A*} O O O O B31 ^{A*} O H31 ^{A*} V31 ^{A*} V31 ^{A*} V31 ^{A*} C31 ^{A*} C32 ^{A*} | J _r (VDC | c)^ | | | | | | | | | | | 60 | | | | | | | | | | | |
| 221 R31^* | / r (A) | | | 5 | | 0 | 9 | 8.5 | 6 | | 5 | | | | 3 | 2.5 | 2 | | 1 | 4 | | | | |
| 221 R31^* | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31^* | Kate | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31 ^A | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31 ^{^*} U31 ^{^*} O U31 ^{^*} O O O C31 ^{^*} O O O B31 ^{^*} O H31 ^{^*} V31 ^{^*} V31 ^{^*} O X31 [*] K31 [*] O C32 ^{^*} O O O O O O O O O O O O O O O O O O O | | | R1^* | | U1^* | | | | | | | | | | | | | | | | F1^ | X1^* | K1^* | F1* |
| 221 R31 ^{^*} U31 ^{^*} O U31 ^{^*} O O O C31 ^{^*} O O O B31 ^{^*} O H31 ^{^*} V31 ^{^*} V31 ^{^*} O X31 [*] K31 [*] O C32 ^{^*} O O O O O O O O O O O O O O O O O O O | | 105 | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31 ^{^+} U31 ^{^+} U31 ^{^+} O C31 ^{^+} O C31 ^{^+} O C32 ^{^+} | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31 ^{^+} U31 ^{^+} U31 ^{^+} O C31 ^{^+} O C31 ^{^+} O C32 ^{^+} | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | | 133 | 0 | | | | | | | | | V8^ | | SF8^ | | | | | | | F8^ | X8* | K8* | F8* |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | - ກ | 135 | R5^* | | U5^* | | | | | | | | | | | | | | | | | X5* | K5* | |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | 5 | | 0 | | | | | | | | | | X9^ | | | | | | | K9^ | | X9* | K9* | |
| 221 R31 ^{^+} U31 ^{^+} U31 ^{^+} O O O C31 ^{^+} O O B31 ^{^+} O H31 ^{^+} V31 ^{^+} V31 ^{^+} O X31 ⁺ K31 ⁺ O C32 ^{^+} O O O D D D D D D D D D D D D D D D D | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31^* U31^* O O O C31^* O O B31^* O H31^* V31^* V31^* O X31^* K31^* O C32^* O O O B32^* O H32^* V32^* V32^* V32^* O O O O O O O O O O O O O O O O O O O | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 R31 ^{^*} U31 ^{^*} U31 ^{^*} O C31 ^{^*} O C32 ^{^*} O B31 ^{^*} O H31 ^{^*} V31 ^{^*} V31 [*] O X31 [*] K31 [*] O X32 [*] C32 ^{^*} O B32 ^{^*} O B32 ^{^*} O B32 ^{^*} O B32 ^{^*} C B32 [*] C B | | 187 | 0 | | | | | | | | | | | | | | | | | | | X17^* | K17^* | |
| 221 R31^* O U31^* O O O C31^* O O B31^* O H31^* V31^* V31* O X31* K31* O | | 200 | 0 | | | | | | | | | | | | | | | | | | | | | |
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|---|---------------|--------|--------|------|-------|-------|-------|-------|--------------|-------|-------|-----------|--------------|--------------|--------------|--------------|---|
| | 230 | 0 | | | | | | | | | | | ADN230B-NDZ^ | ADN230B-PDZ^ | | ADN230B-QBZ^ | |
| | 221 | XG31* | KG31* | | | C31* | | B31* | | H31* | | | 0 | | ADN205B-NDZ^ | 0 | 1 |
| | 205 | XG32* | KG32* | | | C33* | | B32* | | H32* | | | 0 | | | 0 | |
| | 200 | 0 | | | | | | | | | | | 0 | | | 0 | 4 |
| O | 187 | 0 | | | | | | | | | | | 0 | | | 0 | |
| ~ | 160 | XG16* | KG16* | | | | B16* | | | | | | 0 | | | 0 | 1 |
| E | 150 | XG7* | KG7* | C7^ | C7* | | B7^* | | H7^* | | V7^* | | 0 | | | 0 | |
| | 145 | XG6* | KG6* | C6^ | C6* | | B6^* | | H6^* | | V6^* | | 0 | | | 0 | 1 |
| Ē | 139 | 0 | | C13^ | C13* | | B13^* | | H13^* | | V13^* | | 0 | | | 0 | |
| <u>a</u> | 136 | XG9* | KG9* | C9^ | C9* | | B9^* | | H9^* | | V9^* | | 0 | | | 0 | 1 |
| Rated Functioning Temp. ($T_{ m r}$) $^{\circ}$ C | 135 | XG5* | KG5* | C5^ | C5* | | B5^* | | H5^* | | V5^* | | 0 | | | 0 | |
| = | 133 | XG8* | KG8* | C8^ | C8* | | B8^* | | H8^* | | V8^* | | 0 | | | 0 | |
| o | 130 | XG4* | KG4* | C4^ | C4* | | B4^* | | H4^* | | V4^* | | 0 | | | 0 | |
| cţi | 125 | XG3^* | KG3^* | C3^ | C3* | | B3^* | | | | V3^* | | 0 | | | 0 | |
| Ξ. | 123 | 0 | | | | | | | | | | | 0 | | | 0 | |
| 正 | 120 | 0 | | | | | | | | | | | | | | | |
| pe | 115 | XG2^* | KG2^* | C2^ | C2* | | B2^* | | H2^* | | V2^* | | | | | | |
| at | 105 | 0 | | | | | | | | | | | | | | | |
| ~ | 102 | XG1^* | KG1^* | | C1^* | C1* | B1^* | B1* | H1^* | H1* | V1^* | V1* | 0 | | | 0 | |
| | 97 | 0 | | | | C21^* | | B21^* | | H21^* | | V21^* | | | | | 1 |
| | 93 | 0 | | | | | | | | | | | | | | | |
| | 86 | XG18^* | KG18^* | | C18^* | C18* | B18^* | B18* | H18^* | H18* | V18^* | V18* | /18* | 0 | | | |
| | 76 | XG0* | KG0* | 0 | C0* | 0 | B0^* | B0* | H0^* | H0* | V0^* | V0* | 0 | 0 | 0 | 0 | |
| r () Rated C | A) Surrent | 3 | 2 | 7 | , | 5 | 3 | | | 2 | | 1 | 50 | 55 | 50 | 80 | |
| U _r (VI | DC)^ | 6 | 60 | | | | | 50 | | | | | 49 | 4 | l8 | 24 | 1 |
| U _r (V) Rated V | AC)* | 2 | 50 | 0 | 250 | 125 | 250 | 125 | 250 | 125 | 250 | 125 | | J | 0 | | 1 |
| Proc Struc | | | | | | С | →—() | | 〕 —∹∈ | | | | | | | | |
| | | 1 | Shape | | | | | | | | | Axial Sha | | | | | 1 |