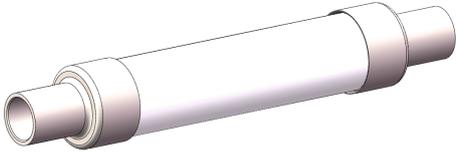




*Preliminary*

## A97 gPV 2000Vdc Fuse 33x150 mm



### FEATURES

- 2000 Vdc, 33x150 mm PV fuse link with glass-fiber body
- Rated Current: 50-125A
- Breaking Capacity: 30 kA at 2000 Vdc
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PV applications
- Customizable for special applications

### APPLICATIONS

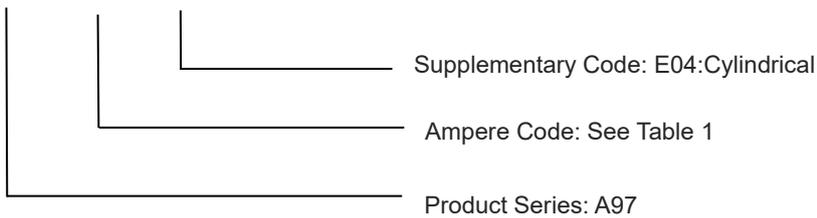
- PV combiner / junction boxes
- Inverters
- Battery Charge Controllers

### AGENCY INFORMATION

- Comply to:UL 248-19, IEC 60269-6
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

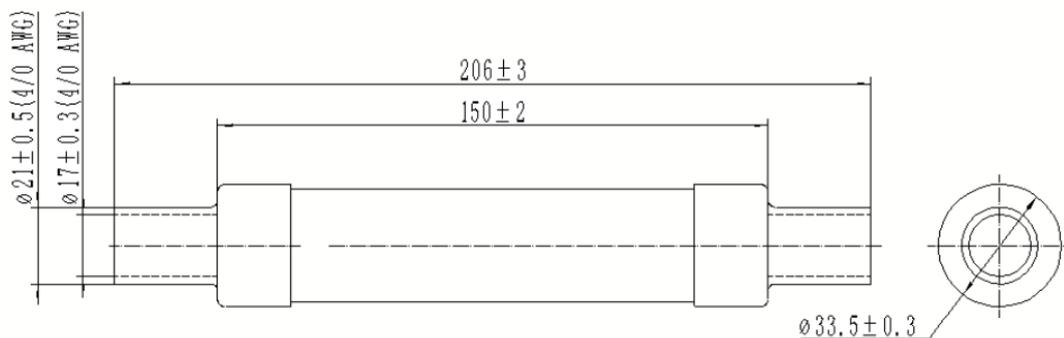
### PART NUMBERING SYSTEM

A97    3125    E04



### DIMENSIONS (mm)

A97xxxxE04




**ELECTRICAL SPECIFICATIONS**

Table 1

Part Number	Rated Current	Ampere Code	Breaking Capacity	I <sup>2</sup> t (A <sup>2</sup> s)		Dissipation (W)	
				Pre-Arcing	Total	0.7 In	1.0 In
A972500E04	50 A	2500	30 kA@ 2000 Vdc	-	-	-	-
A972630E04	63 A	2630		-	-	-	-
A972800E04	80 A	2800		-	-	-	-
A972900E04	90A	2900		-	-	-	-
A973100E04	100 A	3100		-	-	-	-
A973110E04	110A	3110					
A973125E04	125 A	3125		2700	-	22	65

**TIME VS CURRENT CHARACTERISTIC**

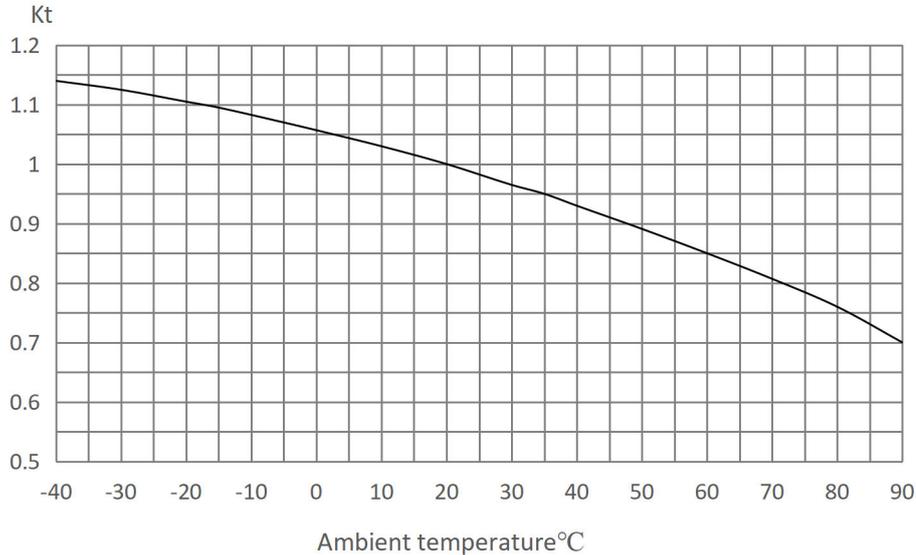
Table 2

Standard	UL			IEC					
	Rated Current	100 %	135 %	200 %	100 %	105 %	113 %	135 %	145 %
50 A	Temperature Stabilization	<1 h	<6 min	Temperature Stabilization	>1 h	-	-	-	-
63A	Temperature Stabilization	<2 h	<8 min	Temperature Stabilization	>1 h	-	<2 h	-	-
80-100 A	Temperature Stabilization	<2 h	<8 min	Temperature Stabilization	-	>2 h	-	<2 h	<2 h
110A, 125A	Temperature Stabilization	<2 h	<10 min	Temperature Stabilization	-	>2 h	-	<2 h	<2 h



## TEMPERATURE CORRECTION CURVE

When the fuse is operating below  $-5^{\circ}\text{C}$  or above  $40^{\circ}\text{C}$ , the rated current needs additional modification. The correction factor is  $K_t$ .



## OPERATION CONDITIONS

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- Normal temperature:  $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$ , permissible operating temperature:  $-40^{\circ}\text{C}-90^{\circ}\text{C}$ .
- The altitude of the site of installation of the fuses should not exceed 2000 m above sea level and permissible altitude site of installation does not exceed 5000m.
- The air should be clean and it's relative humidity does not exceed 50% at the maximum temperature of  $40^{\circ}\text{C}$ .
- Higher relative humidity is permitted at lower temperatures, e.g. 90% at  $20^{\circ}\text{C}$ .
- Under these conditions, moderate condensation may occasionally occur due to variation in temperatures.
- For operating conditions other than detailed above, please contact manufacturer.

## STORAGE

During transportation and storage, avoid water seepage and mechanical damage.

## WEB RESOURCES

Download the latest technical documents: [www.adlerelectric.com](http://www.adlerelectric.com). Specifications are subject to change without notice.