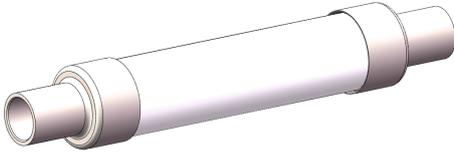




Preliminary

A98 gPV 2000 Vdc Fuse 40x150 mm



FEATURES

- 2000 Vdc, 40x150 mm PV fuse link with glass-fiber body
- Rated Current: 100-175A
- 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

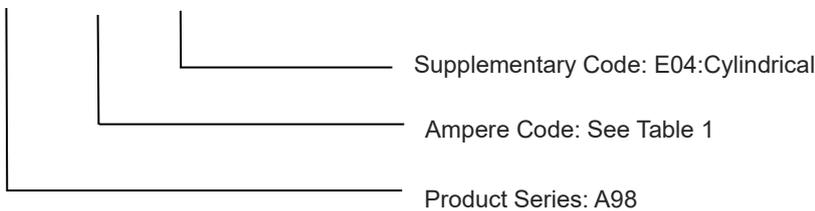
- PV combiner / junction boxes
- Inverters
- Battery Charge Controllers

AGENCY INFORMATION

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

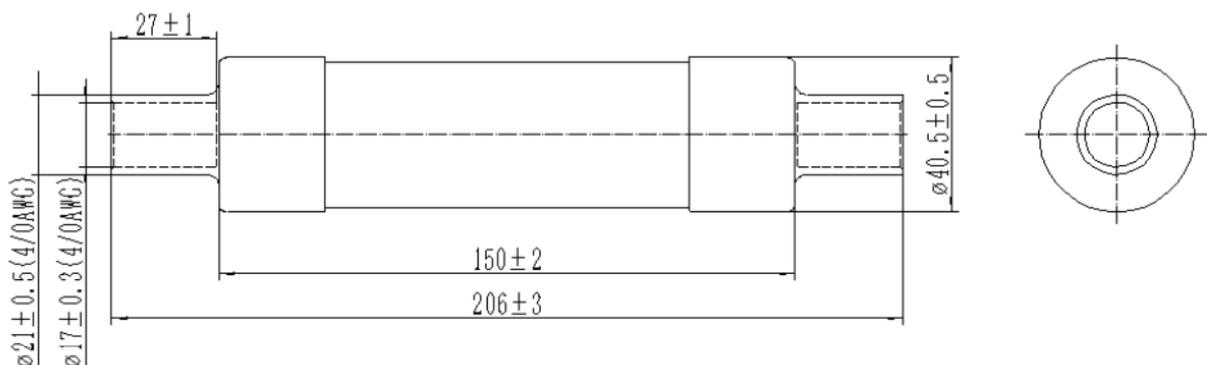
PART NUMBERING SYSTEM

A98 3175 E04



DIMENSIONS (mm)

A98xxxxE04





ELECTRICAL SPECIFICATIONS

Table 1

Part Number	Rated Current	Ampere Code	Breaking Capacity	I ² t (A ² s)		Dissipation (W)	
				Pre-Arcing	Total	0.7 In	1.0 In
A983100E04	100 A	3100	30 kA@ 2000 Vdc	-	-	-	-
A983110E04	110 A	3110		-	-	-	-
A983125E04	125 A	3125		-	-	-	-
A983150E04	150 A	3150		-	-	-	-
A983175E04	175 A	3175		11500	79500	24.8	61.1

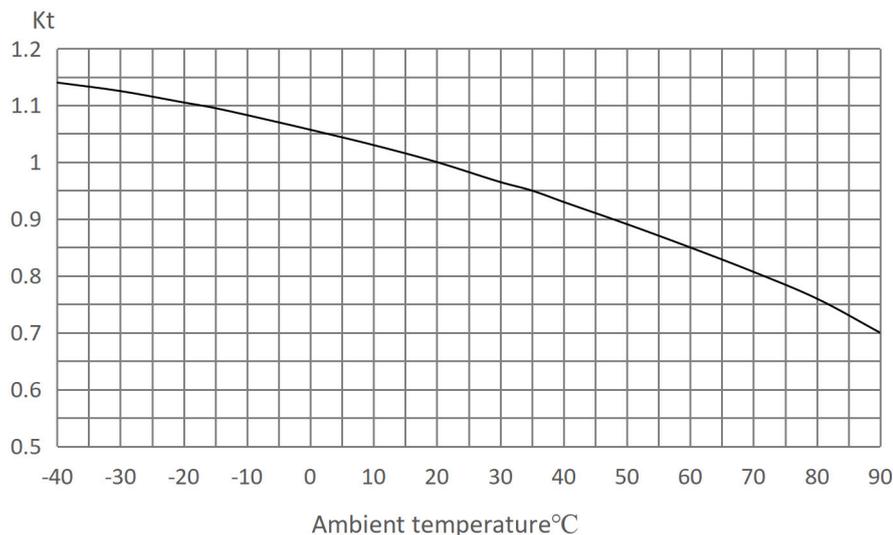
TIME VS CURRENT CHARACTERISTIC

Table 2

Standard	UL			IEC		
	Rated Current	100 %	135 %	200 %	100 %	113 %
100 A	Temperature Stabilization	<2 h	<8 min	Temperature Stabilization	>2 h	<2 h
110-150 A	Temperature Stabilization	<2 h	<10 min	Temperature Stabilization	>2 h	<2 h
175A	Temperature Stabilization	<2 h	<10 min	Temperature Stabilization	>3 h	<3 h

TEMPERATURE CORRECTION CURVE

When the fuse is operating below -5°C or above 40°C, the rated current needs additional modification. The correction factor is Kt.





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°C .
- Higher relative humidity is permitted at lower temperatures, e.g. 90% at 20°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. Specifications are subject to change without notice.