

## A88 gPV 1500 Vdc Fuse 38×119mm



### DESCRIPTION

Adler A88 series PV fuses are engineered and manufactured for use in Combiner Box and Power Storage Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 90 A to 200 A with a breaking capacity of 50 kA.

### AGENCY INFORMATION

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

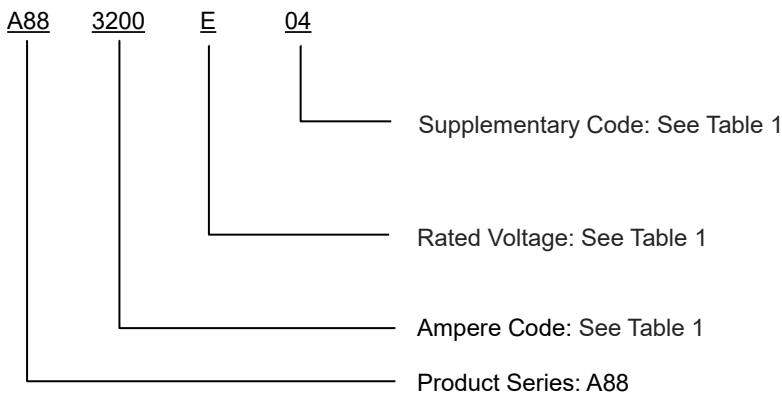
### APPLICATIONS

- PV combiner / junction boxes
- Inverters

### FEATURES

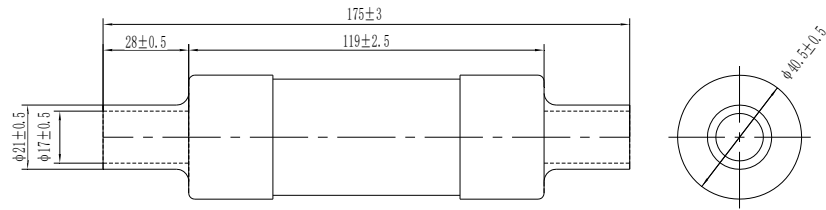
- 1500 Vdc, 38x119 mm PV fuse-link with glass-fiber body
- Rated Current: 90 A-200 A
- Rated Breaking Capacity: 50 kA @ 1500 Vdc (90-200 A)
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PV applications
- Customizable for special applications

### PART NUMBERING SYSTEM

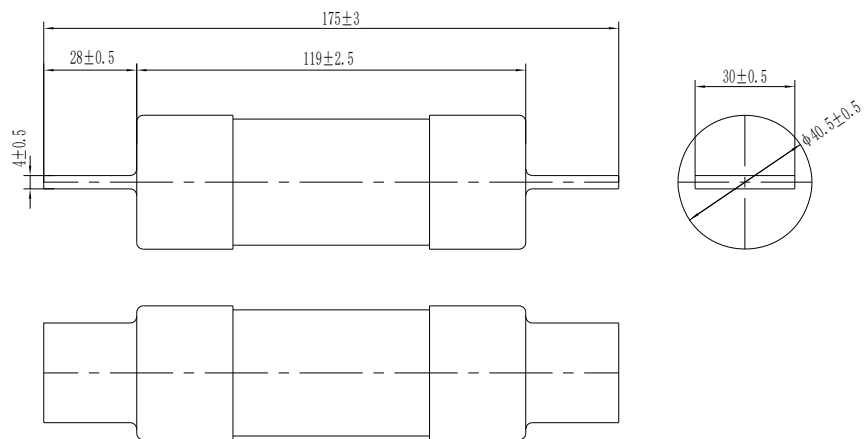


**DIMENSIONS (mm)**

A88xxxxE04



A88xxxxD01



**Table 1**
**ELECTRICAL SPECIFICATIONS**

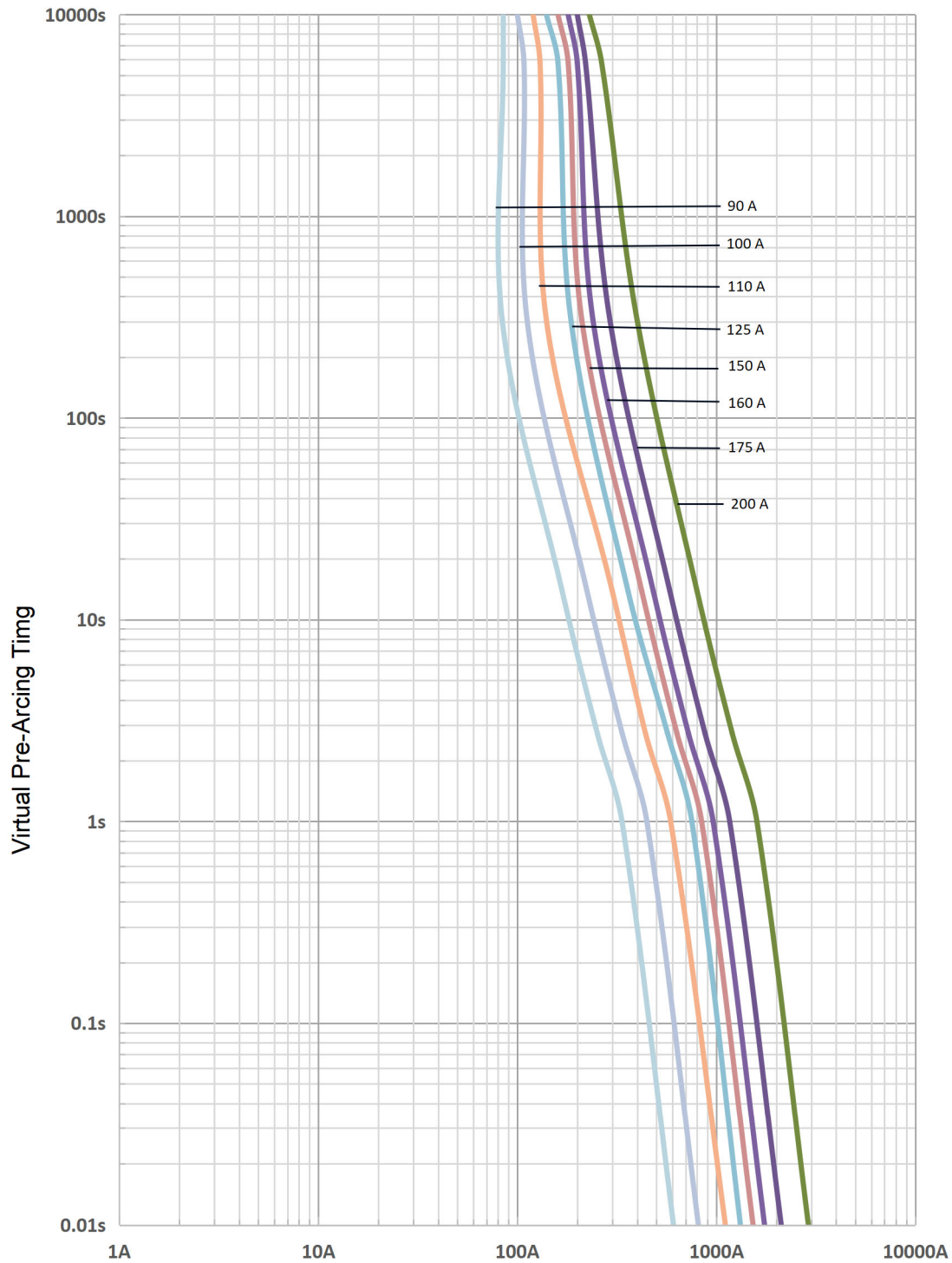
Part Number	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	I <sup>2</sup> t (A <sup>2</sup> s)		Dissipation (W)		Certifications	
						4/0 AWG In-terminal	Insert type Without hole	Pre-Arcing	Total	0.7 I <sub>n</sub>	1.0 I <sub>n</sub>
A882900E04	A882900D01	90A	2900	1500 Vdc	50 kA@ 1500 Vdc	22000	46900	11.8	31.6	○	○
A883100E04	A883100D01	100A	3100	1500 Vdc		26500	56200	12.3	32.1	○	○
A883110E04	A883110D01	110A	3110	1500 Vdc		31800	67500	12.6	32.8	○	○
A883120E04	A883120D01	120A	3120	1500 Vdc		37200	78700	13.0	33.2	○	○
A883125E04	A883125D01	125A	3125	1500 Vdc		38700	82000	13.4	33.7	○	○
A883150E04	A883150D01	150A	3150	1500 Vdc		40300	85300	13.8	34.2	○	○
A883160E04	A883160D01	160A	3160	1500 Vdc		46000	96000	14.0	34.8	○	○
A883175E04	A883175D01	175A	3175	1500 Vdc		55700	118000	14.3	35.2	○	○
A883200E04	A883200D01	200A	3200	1500 Vdc		81775	292750	15.1	36.9	○	○

Note: 1. I<sup>2</sup>T base on I<sub>1</sub> test;

2. ○: in progress; ●: Certification completed;

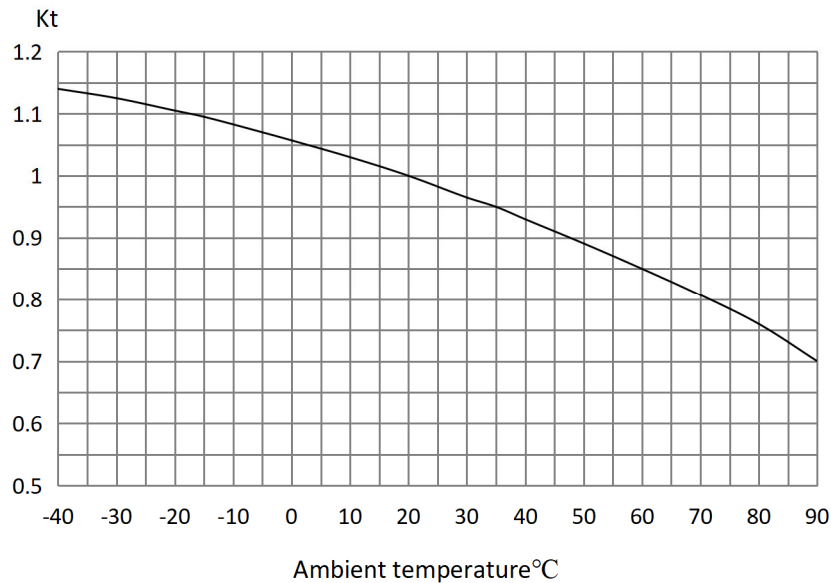
TIME CURRENT CURVE

T-C CURVE



### 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  $K_t$ .



### OPERATING 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:  $-40^{\circ}\text{C} \sim 90^{\circ}\text{C}$ .
- 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 its relative humidity does not exceed 50 % at the maximum temperature of  $40^{\circ}\text{C}$ .
- Higher relative humidity's are permitted at lower temperatures, e.g. 90 % at  $20^{\circ}\text{C}$ .
- Pollution grade III
- Under these conditions, moderate condensation may occasionally occur due to variation in temperature.
- For operating conditions other than above, please contact the manufacturer.

### STORAGE

During transportation and storage, customer should 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.