

## A85 gPV 1500 Vdc Fuse 10x85 mm



### FEATURES

- 1500 Vdc, 10x85 mm PV fuse-link with glass-fiber body
- Rated Current: 1-32 A
- Rated Breaking Capacity: 30 kA @ 1500 Vdc (1-32A)  
Self - Certified: 50 kA @ 1500 Vdc (1-20A)
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PV applications
- Customizable for special applications
- BH300-01, BH300-02 holders for DIN rail mounting

### APPLICATIONS

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

### AGENCY INFORMATION

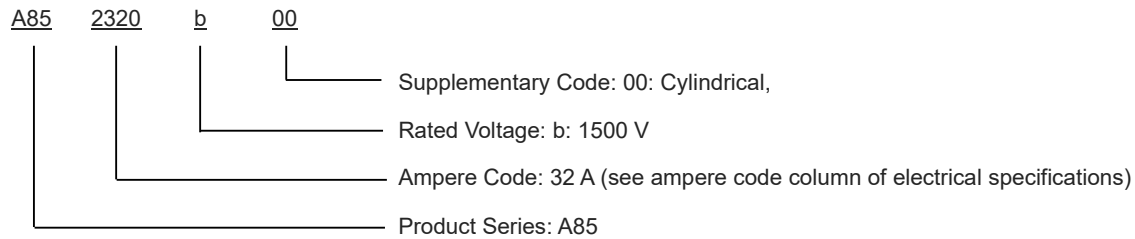
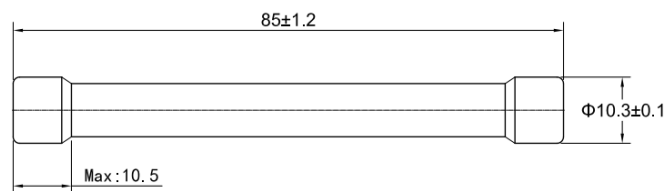
- Approvals: UL 248-19 (File: E490190)
- Approvals: IEC 60269-6
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

### ELECTRICAL SPECIFICATIONS

Part Number	Rated Current	Ampere Code	Breaking Capacity	Cold Resistance (mΩ)	I <sup>2</sup> t (A <sup>2</sup> s)		Dissipation (W)		Certifications	
					Pre-Arcing	Total	0.8 I <sub>n</sub>	1.0 I <sub>n</sub>	UL	TUV
A851100b00	1 A	1100	30 kA@ 1500 Vdc	940~1410	59.15	125	0.8	1.6	•	•
A851200b00	2 A	1200		312.0~468.0	118.3	250	1.4	2.2	•	•
A851300b00	3 A	1300		144~217	177.5	375	1.7	2.5	•	•
A851400b00	4 A	1400		89.20~133.80	236.7	500	2.0	3.0	•	•
A851500b00	5 A	1500		70.56~105.84	295.8	625	2.8	3.5	•	•
A851600b00	6 A	1600		51.84~77.76	355.0	750	3.0	4.0	•	•
A851800b00	8 A	1800		31.96~47.94	473.3	1000	3.0	4.0	•	•
A852100b00	10 A	2100		18.33~27.49	591.7	1250	2.8	3.5	•	•
A852120b00	12 A	2120		17.24~25.86	710.0	1500	3.1	4.5	•	•
A852150b00	15 A	2150		9.69~14.54	887.5	1875	2.8	3.5	•	•
A852160b00	16 A	2160		7.88~11.81	946.4	2000	3.1	4.5	•	•
A852200b00	20 A	2200		6.47~9.70	710.0	1500	3.2	5.8	•	•
A852250b00	25 A	2250		4.54~6.80	887.5	1875	3.3	6.0	•	•
A852300b00	30 A	2300		4.04~6.07	1183.3	2500	3.6	6.8	•	•
A852320b00	32 A	2320		3.49~5.24	1760	3150	4.5	7.0	•	•

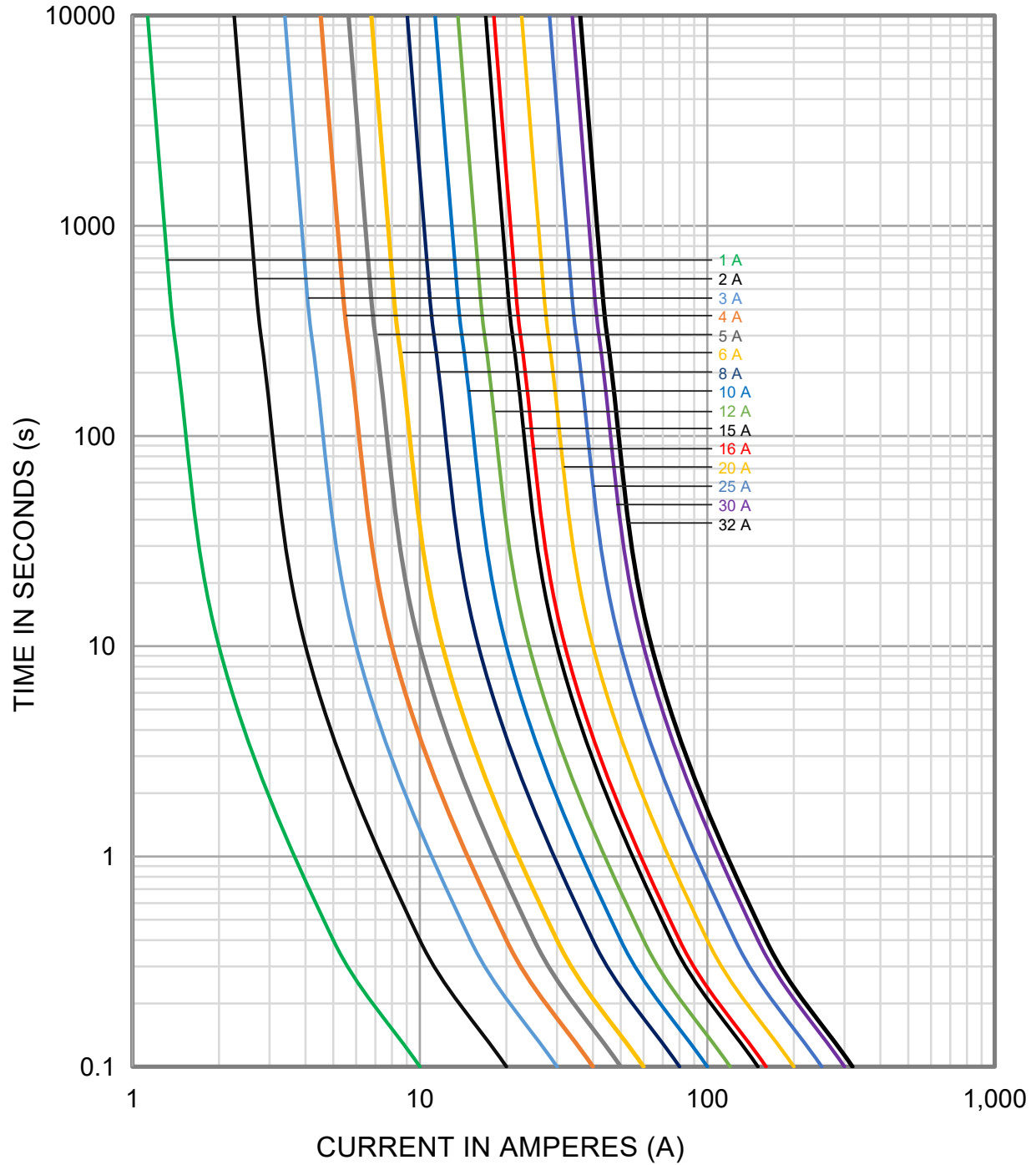
**TIME VS CURRENT CHARACTERISTIC**

Standard	UL			IEC		
	100 %	135 %	200 %	100 %	113 %	145 %
1-30A	Temperature Stabilization	<1 h	<4 min	Temperature Stabilization	>1 h	<1 h
32A	Temperature Stabilization	<1 h	<6 min	Temperature Stabilization	>1 h	<1 h

**PART NUMBERING SYSTEM**

**DIMENSIONS (mm)**
**A85xxxxb00**


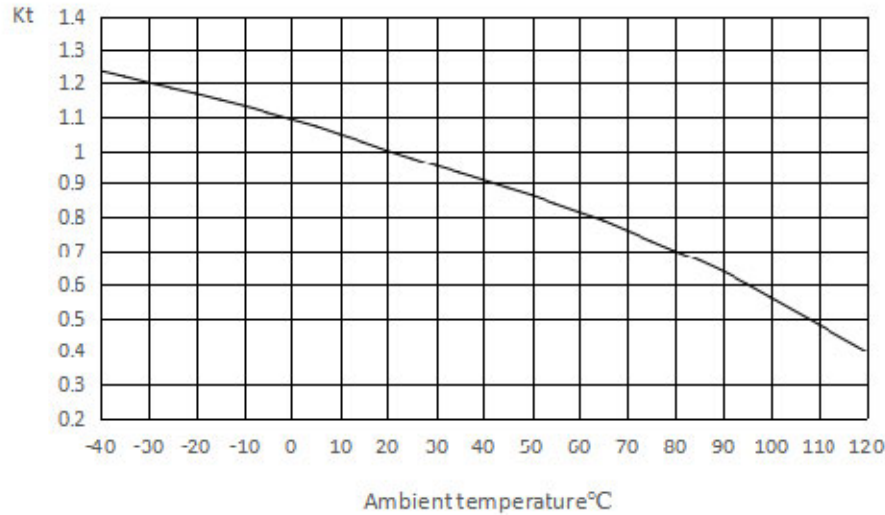
Time Current Curve (reference)

## Average Current Curve(I-T Curve)



### 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°C ~ 40°C, permissible operating temperature: -40°C-120°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.

### WEB RESOURCES

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