

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

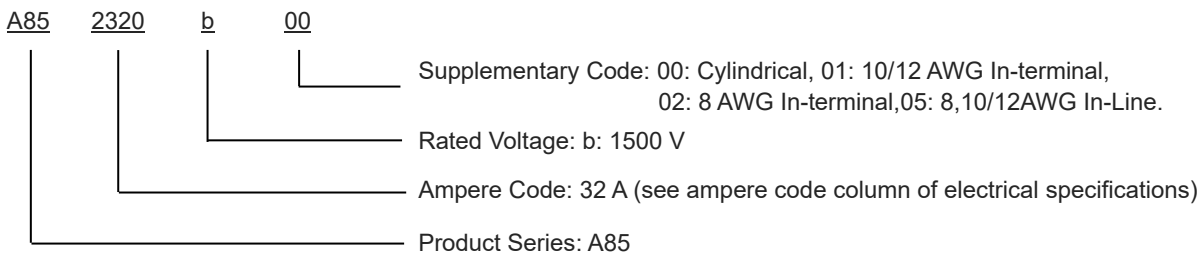
| Part Number | | | | Rated Current | Ampere Code | Breaking Capacity | Cold Resistance (mΩ) | I ² t (A ² s) | | Dissipation (W) | | Certifications | |
|-------------|-----------------------|-------------------|---------------------|---------------|-------------|--------------------|----------------------|-------------------------------------|-------|--------------------|--------------------|----------------|-----|
| Cylindrical | 10/12 AWG In-terminal | 8 AWG In-terminal | 8,10/12 AWG In-Line | | | | | Pre-Arcing | Total | 0.8 I _n | 1.0 I _n | UL | TUV |
| A851100b00 | A851100b01 | A851100b02 | A851100b05 | 1 A | 1100 | 30 kA@ 1500 VDC | 940~1410 | 59.15 | 125 | 0.8 | 1.6 | ● | ● |
| A851200b00 | A851200b01 | A851200b02 | A851200b05 | 2 A | 1200 | | 312.0~468.0 | 118.3 | 250 | 1.4 | 2.2 | ● | ● |
| A851300b00 | A851300b01 | A851300b02 | A851300b05 | 3 A | 1300 | | 228.8~343.2 | 177.5 | 375 | 1.7 | 2.5 | ● | ● |
| A851400b00 | A851400b01 | A851400b02 | A851400b05 | 4 A | 1400 | | 89.20~133.80 | 236.7 | 500 | 2.0 | 3.0 | ● | ● |
| A851500b00 | A851500b01 | A851500b02 | A851500b05 | 5 A | 1500 | | 70.56~105.84 | 295.8 | 625 | 2.8 | 3.5 | ● | ● |
| A851600b00 | A851600b01 | A851600b02 | A851600b05 | 6 A | 1600 | | 51.84~77.76 | 355.0 | 750 | 3.0 | 4.0 | ● | ● |
| A851800b00 | A851800b01 | A851800b02 | A851800b05 | 8 A | 1800 | | 31.96~47.94 | 473.3 | 1000 | 3.0 | 4.0 | ● | ● |
| A852100b00 | A852100b01 | A852100b02 | A852100b05 | 10 A | 2100 | | 18.33~27.49 | 591.7 | 1250 | 2.8 | 3.5 | ● | ● |
| A852120b00 | A852120b01 | A852120b02 | A852120b05 | 12 A | 2120 | | 17.24~25.86 | 710.0 | 1500 | 3.1 | 4.5 | ● | ● |
| A852150b00 | A852150b01 | A852150b02 | A852150b05 | 15 A | 2150 | | 9.69~14.54 | 887.5 | 1875 | 2.8 | 3.5 | ● | ● |
| A852160b00 | A852160b01 | A852160b02 | A852160b05 | 16 A | 2160 | | 7.88~11.81 | 946.4 | 2000 | 3.1 | 4.5 | ● | ● |
| A852200b00 | A852200b01 | A852200b02 | A852200b05 | 20 A | 2200 | | 6.47~9.70 | 710.0 | 1500 | 3.2 | 5.8 | ● | ● |
| A852250b00 | A852250b01 | A852250b02 | A852250b05 | 25 A | 2250 | | 4.54~6.80 | 887.5 | 1875 | 3.3 | 6.0 | ● | ● |
| A852300b00 | A852300b01 | A852300b02 | A852300b05 | 30 A | 2300 | | 4.04~6.07 | 1183.3 | 2500 | 3.6 | 6.8 | ● | ● |
| A852320b00 | A852320b01 | A852320b02 | A852320b05 | 32 A | 2320 | | 3.49~5.24 | 1760 | 3150 | 4.5 | 7.0 | ● | ● |

Note: Operating temperature range: -40°C ~ 90°C.

TIME VS CURRENT CHARACTERISTIC

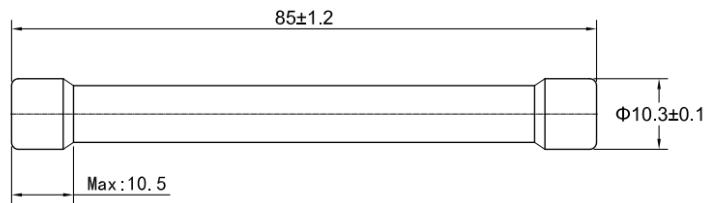
| Standard | UL | | | IEC | | |
|---------------|---------------------------|-------|--------|---------------------------|-------|-------|
| | 100 % | 135 % | 200 % | 100 % | 113 % | 145 % |
| Rated Current | 100 % | 135 % | 200 % | 100 % | 113 % | 145 % |
| 1-32 A | Temperature Stabilization | <1 h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

PART NUMBERING SYSTEM

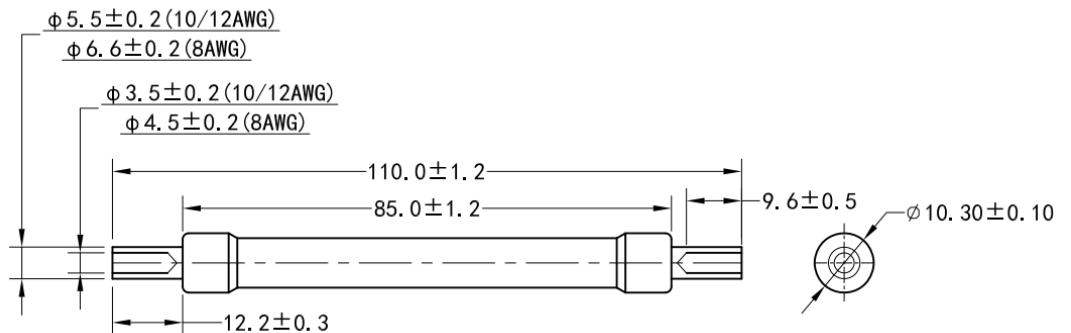


DIMENSIONS (mm)

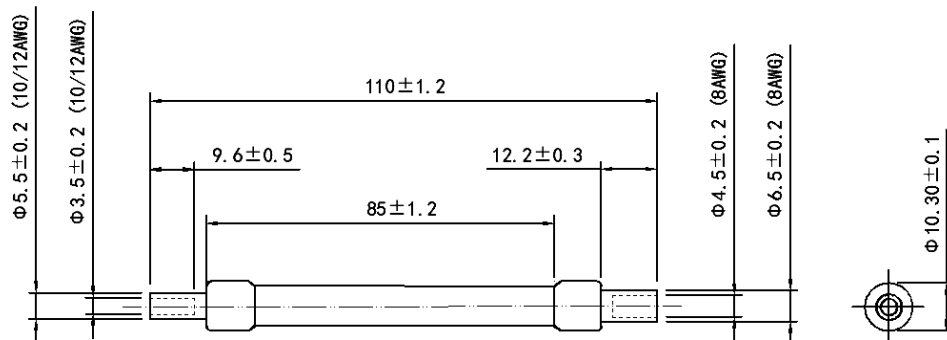
A85xxxxb00



A85xxxxb01
A85xxxxb02

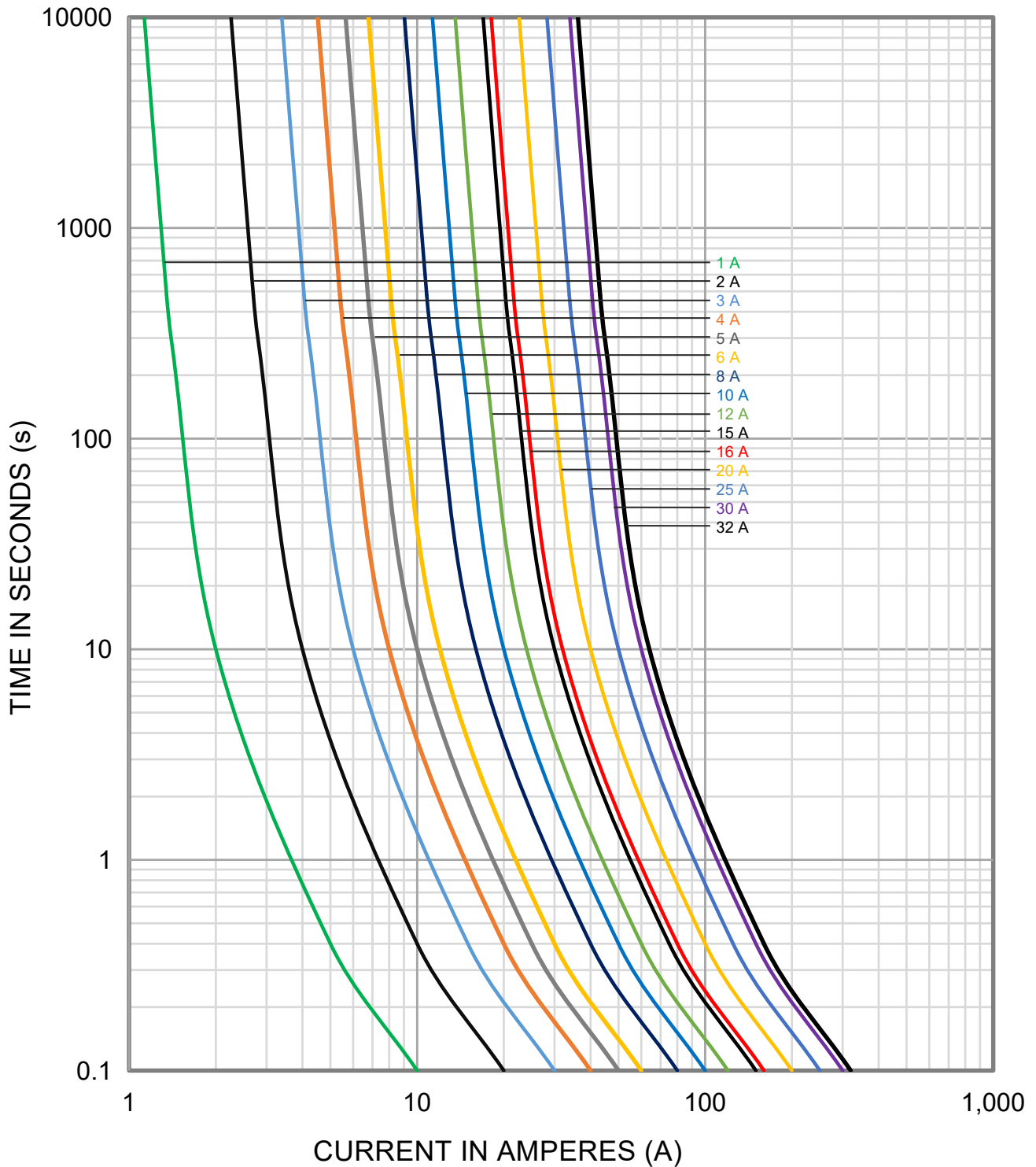


A85xxxxb05



Time Current Curve (reference)

Average Current Curve(I-T Curve)



WEB RESOURCES

Download the latest technical documents: www.adlerelectric.com. Specifications are subject to change without notice.