Preliminary

A91 gPV 2000 Vdc Fuse 14×85 mm

DESCRIPTION

Adler A91 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 10A to 20A with a breaking capacity of 30kA.

AGENCY INFORMATION

- Approvals: UL 248-19
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

FEATURES

- 2000 Vdc, 14×85 mm PV fuse-link with glass-fiber body
- Rated Current: 20 A
- Rated Breaking Capacity: 30 kA @ 2000 Vdc (20A)
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PV applications
- Customizable for special applications
- For DIN rail mounting

APPLICATIONS

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

PART NUMBERING SYSTEM

A91 2200 b00

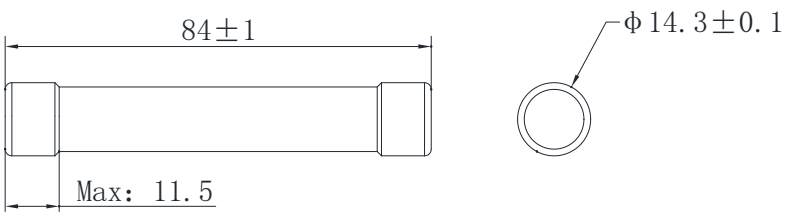
Supplementary Code:
b00: Cylindrical;
E01: 10/12 AWG In-terminal;
E02: 8 AWG In-terminal;
E03: 6 AWG In-terminal;
E04: 10/12 – 8 AWG In-terminal;
E05: 10/12 – 6 AWG In-terminal;
E06: 8 – 6 AWG In-terminal;
b07: Level Mount;
b08: PCB Mount;
b09: Central Mount;

Ampere Code:See Table 1

Product Series: A91

DIMENSIONS (mm)

A91xxxxb00



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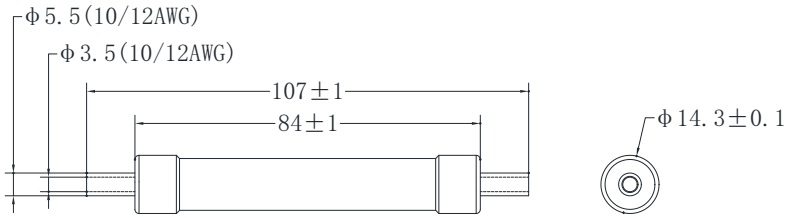

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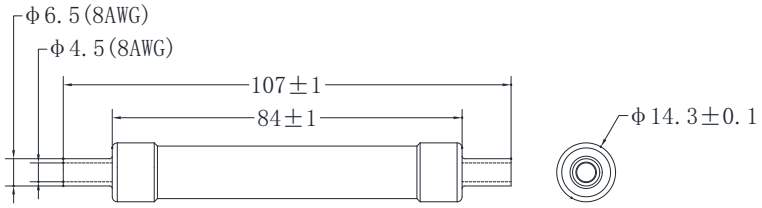

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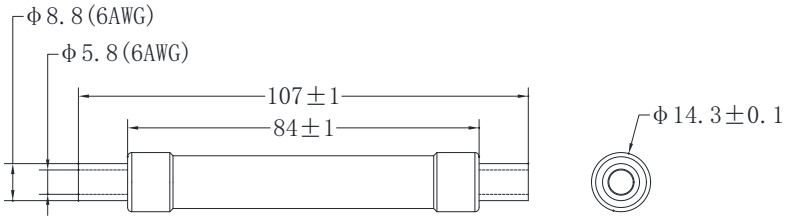

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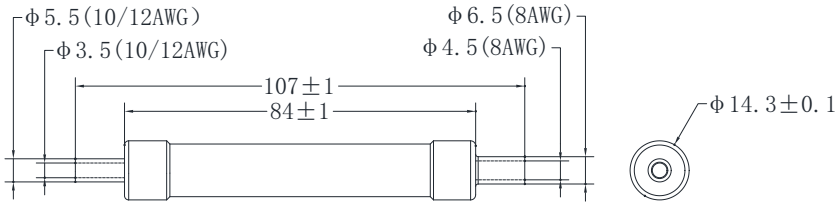

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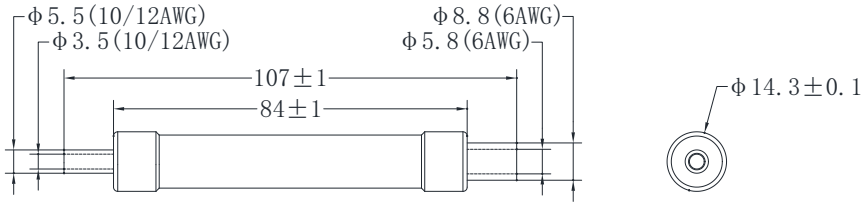

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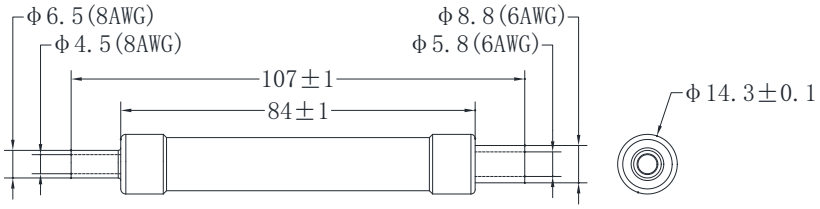

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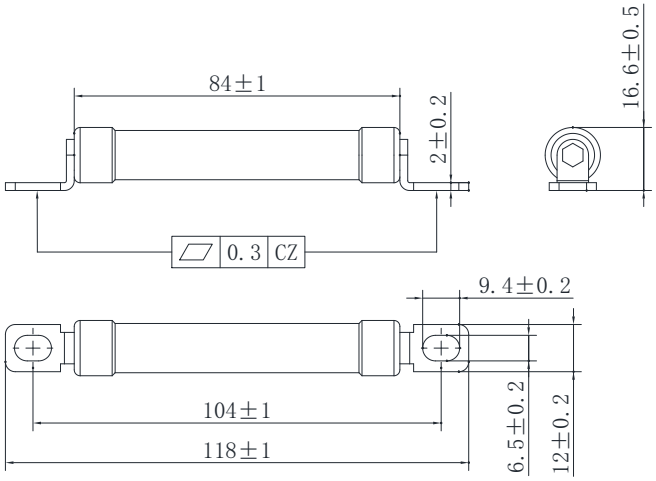

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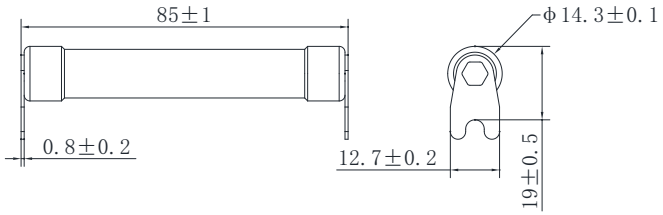

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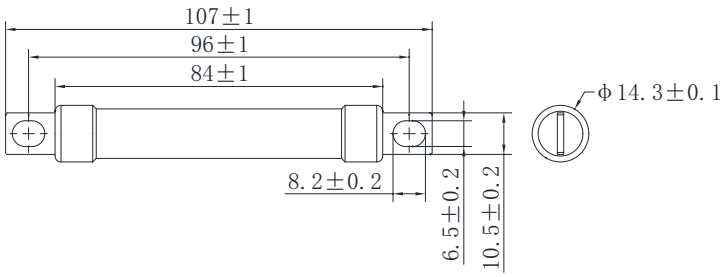


Table1

ELECTRICAL SPECIFICATIONS

Part Number					Rated Current	Ampere Code	Breaking Capacity	I²t (A²s)		Dissipation(W)	
Cylindrical	10/12AWG In-terminal	8AWG In-terminal	6AWG In-terminal	8,10/12AWG In-terminal				Pre-Arcing	Total	0.7 I_n	1.0 I_n
A912100b00	A912100E01	A912100E02	A912100E03	A912100E04	10 A	2100	30 kA@ 2000 Vdc	TBD	TBD	TBD	TBD
A912120b00	A912120E01	A912120E02	A912120E03	A912120E04	12 A	2120		TBD	TBD	TBD	TBD
A912150b00	A912150E01	A912150E02	A912150E03	A912150E04	15 A	2150		TBD	TBD	TBD	TBD
A912200b00	A912200E01	A912200E02	A912200E03	A912200E04	20 A	2200		TBD	TBD	2.8	7.4

Part Number					Rated Current	Ampere Code	Breaking Capacity	I^2t (A^2s)		Dissipation(W)	
6,10/12AWG In-terminal	6,8AWG In-terminal	Level Mount	PCB Mount	Central Mount				Pre-Arcing	Total	0.7 I_n	1.0 I_n
A912100E05	A912100E06	A912100b07	A912100b08	A912100b09	10 A	2100	30 kA@ 2000 Vdc	TBD	TBD	TBD	TBD
A912120E05	A912120E06	A912120b07	A912120b08	A912120b09	12 A	2120		TBD	TBD	TBD	TBD
A912150E05	A912150E06	A912150b07	A912150b08	A912150b09	15 A	2150		TBD	TBD	TBD	TBD
A912200E05	A912200E06	A912200b07	A912200b08	A912200b09	20 A	2200		TBD	TBD	2.8	7.4

OPERATING CONDITIONS

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

- Normal temperature: -5℃ ~ 40℃, permissible operating temperature：-40℃-90℃.
- 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℃.
- Higher relative humidity's are permitted at lower temperatures, e.g. 90 % at 20℃.
- Pollution grade Ⅲ
- Under these conditions, moderate condensation may occasionally occur due to variation in temperature.
- For operating conditions other that above, please contact the manufacturer.

STORAGE

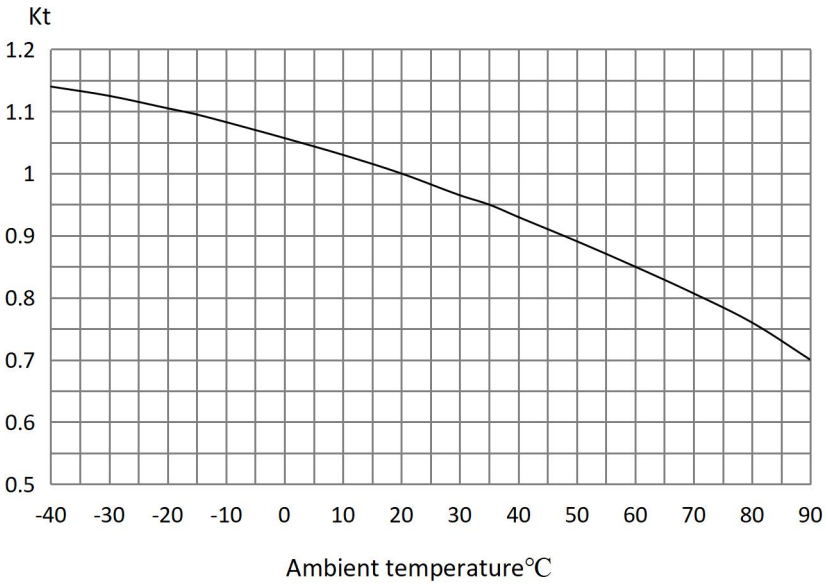
During transportation and storage, customer should avoid water seepage and mechanical damage.

TIME CURRENT CURVE

TBD

TEMPERATURE CORRECTION CURVE

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



WEB RESOURCES

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