PV CYLINDRICAL FUSE LINKS

Preliminary

DESCRIPTION

Adler A90 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 1A to10A with a breaking capacity of 30kA.

AGENCY INFORMATION

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

FEATURES

- 2000 Vdc, 10×85 mm PV fuse-link with glass-fiber body
- Rated Current: 1-10 A
- Rated Breaking Capacity: 30 kA @ 2000 Vdc (10A)
- 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

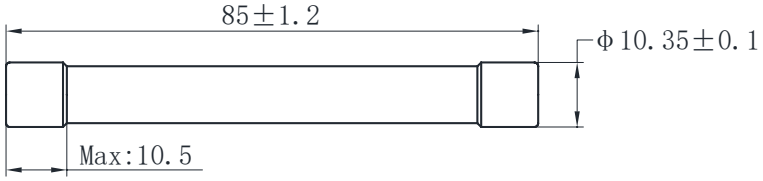
PART NUMBERING SYSTEM

A90 2100 b00

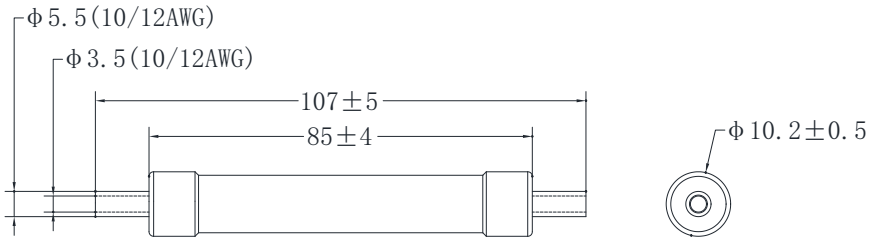
- b00: Supplementary Code: b00: Cylindrical; b01: 10/12 AWG In-terminal; b02: 8 AWG In-terminal
- 2100: Ampere Code:See Table 2
- A90: Product Series: A90

DIMENSIONS (mm)

A90xxxxb00



A90xxxxb01



A90xxxxb02

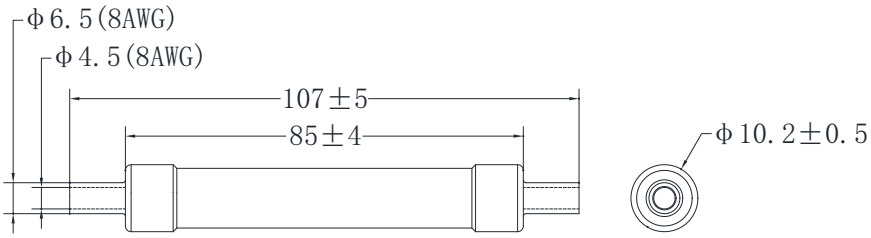


Table1

PACKING INFORMATION

Fuse Size	Box specifications (mm)	Packing quantity / per container	Weight / PCS (g)	Mounting Method
A90xxxxb00	410×215×160	792pcs	12.5±3%	BH300-BH301
A90xxxxb01	410×215×160	396pcs	17±3%	10/12AWG
A90xxxxb02	410×215×160	396pcs	17.8±3%	8AWG

Table 2

ELECTRICAL SPECIFICATIONS

Part Number			Rated Current	Ampere Code	Breaking Capacity	I²t (A²s)		Dissipation(W)	
Cylindrical	10/12AWG In-terminal	8AWG In-terminal				Pre-Arcing	Total	0.7 I_n	1.0 I_n
A901100b00	A901100b01	A901100b02	1A	1100		TBD	TBD	TBD	TBD
A901200b00	A901200b01	A901200b02	2A	1200		TBD	TBD	TBD	TBD
A901300b00	A901300b01	A901300b02	3A	1300		TBD	TBD	TBD	TBD
A901400b00	A901400b01	A901400b02	4A	1400	30 kA@	TBD	TBD	TBD	TBD
A901500b00	A901500b01	A901500b02	5A	1500	2000 Vdc	TBD	TBD	TBD	TBD
A901600b00	A901600b01	A901600b02	6A	1600		TBD	TBD	TBD	TBD
A901800b00	A901800b01	A901800b02	8A	1800		TBD	TBD	TBD	TBD
A902100b00	A902100b01	A902100b02	10A	2100		TBD	TBD	TBD	3.2

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

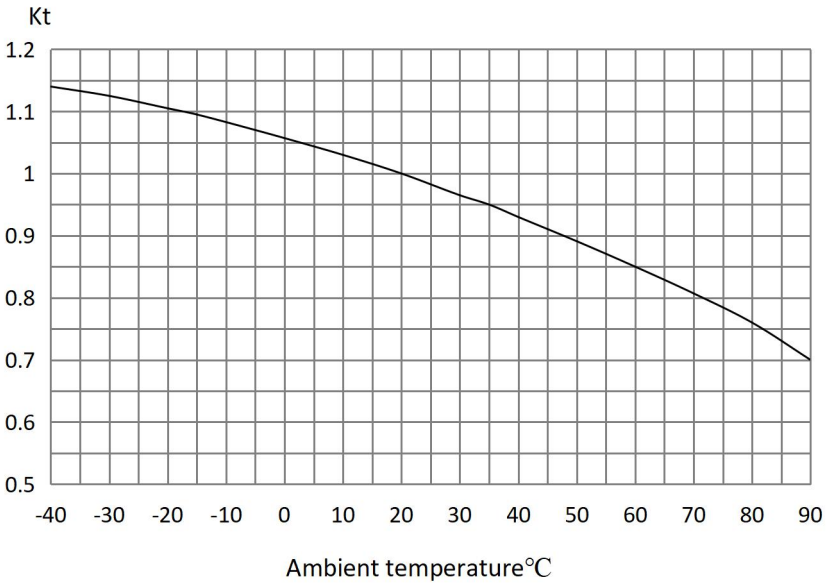
During transportation and storage, customer should avoid water seepage and mechanical damage.

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.