



Preliminary

AXJ 2000Vdc gPV FUSE



DESCRIPTION

Adler AXJ series gPV fuses are specially engineered and tested to provide best-in-class protection performance in protecting photovoltaic strings or arrays, photovoltaic inverters and other devices. Up to 2000 Vdc in ratings from 200A to 500A.

AGENCY INFORMATION

- Designed to IEC60269-6, UL248-19
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

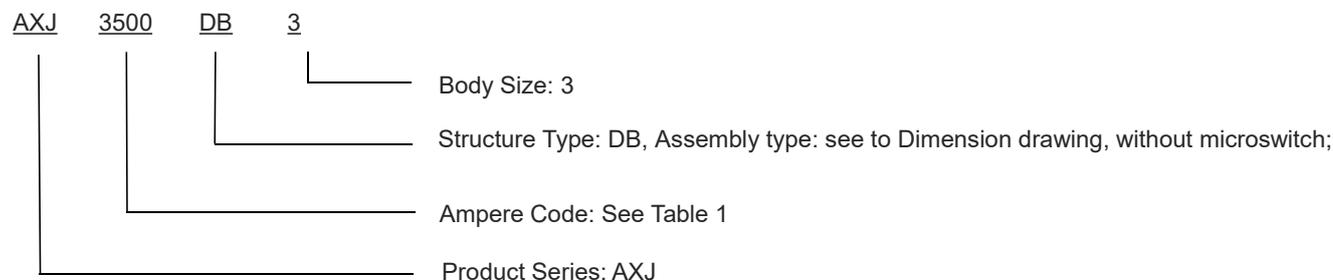
FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- Operation as low as 200% I_n overload protection
- Full coverage of battery module current
- QR code marks on each fuse for traceability
- AXJ series PN in this datasheet is without microswitch.
- Optional microswitch available PN: MS0003

APPLICATIONS

- Inverter Protection
- Power storage protection

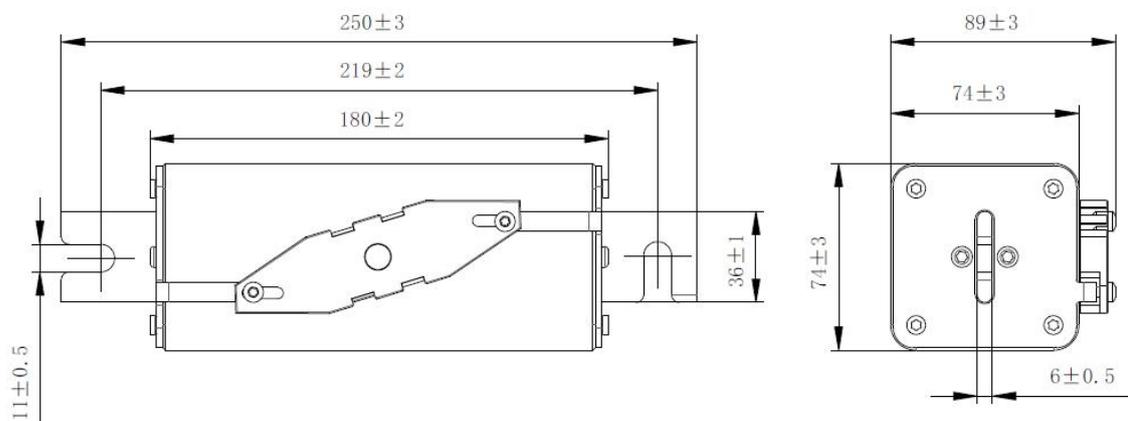
PART NUMBERING SYSTEM





DIMENSIONS (mm)

AXJ3xxxDB3



- 1.Recommended Screw: M10
- 2.Recommended tightening torque (N · m):21±1

ELECTRICAL SPECIFICATIONS

Size	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Pre-arcing I ² t	Clearing I ² t	Watt Loss (W)	Certification	
					Self-Certified	(A ² s)	(A ² s)	1.0I _n	UL	TUV
3	AXJ3200DB3	200A	3200	2000Vdc	50kA	24900	69900	70	o	o
	AXJ3250DB3	250A	3250	2000Vdc	50kA	50100	141000	75	o	o
	AXJ3315DB3	315A	3315	2000Vdc	50kA	99900	284000	80	o	o
	AXJ3350DB3	350A	3350	2000Vdc	50kA	136000	382000	85	o	o
	AXJ3400DB3	400A	3400	2000Vdc	50kA	212500	597000	90	o	o
	AXJ3450DB3	450A	3450	2000Vdc	50kA	291600	820000	95	o	o
	AXJ3500DB3	500A	3500	2000Vdc	50kA	398000	1120000	102	o	o

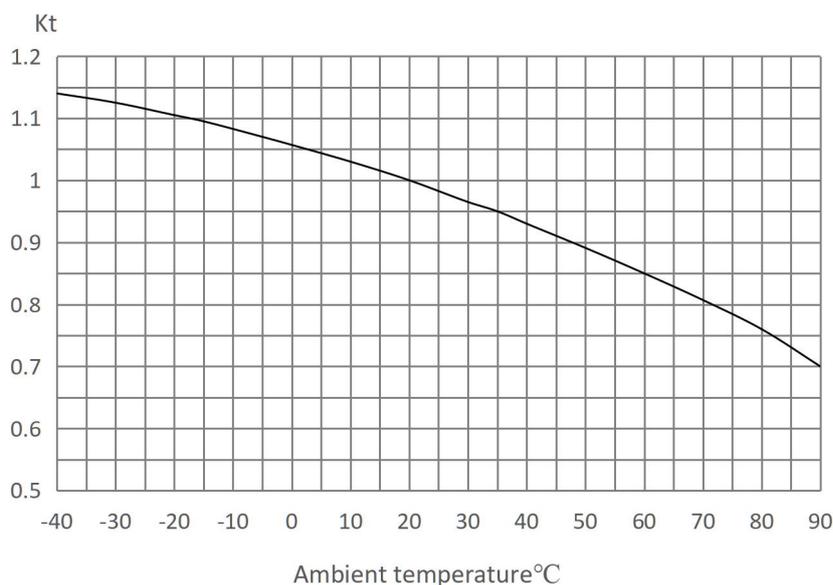
Table 1

1. Time constant: 1~3ms



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 K_t .



OPERATION 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 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.

STORAGE

- During transportation and storage, avoid water seepage and mechanical damage.

WEB RESOURCES

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