

INDUSTRIAL POWER FUSES AND SYSTEM PROTECTION

Power Utility Protection



Power Utility
Protection

1

ADLER TEAM

ADLER Company Introduction

P03-04

2

Product Selection Guides

PU Fuse Selection Guide

P05-06

3

Energy storage system (ESS) Fuses

32Vdc~80Vdc ESS Fuses

P08-15

125Vdc~200Vdc ESS Fuses

P16-25

500Vdc ESS Fuses

P26-27

800Vdc ESS Fuses

P28-33

1000Vdc ESS Fuses

P34-39

1500Vdc ESS Fuses

P40-52

4

Semiconductor Fuses

170Vdc Semiconductor Fuses

P54-56

150Vdc/240Vac Semiconductor Fuses

P57-58

600Vac ~ 700Vac Semiconductor Fuses

P59-82

5

Industrial Power Fuses

125Vac Industrial Power Fuses

P84-85

500Vac ~ 600Vac Industrial Power Fuses

P86-91

690Vac Industrial Power Fuses

P92-99

1000Vac Industrial Power Fuses

P100-101

6

PU Fuse Holders and Accessories

PU Fuse Holders and Accessories

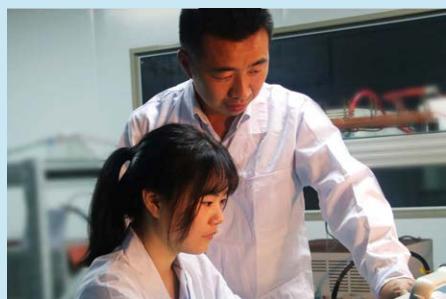
P102-108

7

Busbar System Accessories

Busbar System Accessories

P109



ADLER-Your All-round Protection for Strong Currents!



ADLER Elektrotechnik Leipzig GmbH has a professional team with wide knowledge, skill and experience to provide both best technical expertise and customer service at one stop. With know-how from a long-time history of fuse development and distribution we establish ourselves as your contact point for



photovoltaic, industrial and electric vehicle fuses and accessories. Based on our strong foundations and innovative spirit we strive to achieve robust growth. Our diversified and dedicated team of sales people, product technicians and field application engineers supplies top quality products and superior customer support.

Our products and their applications

- Photovoltaic midget and medium fuse links (gPV)
- Photovoltaic NH fuses in various sizes (gPV)
- DIN-Rail mount fuse holder cartridges for cylindrical fuses and NH blade type fuse bases
- Photovoltaic system components, combiner boxes and Accessories
- Many types of DC Isolators Switches(up to 63A) & Circuit Breakers up to 630A
- Photovoltaic surge protection devices (SPD)
- Cylindrical fuse links for industrial applications (gG)
- All standard DIN-Rail NH blade fuses for general industrial application (gG)
- Fuse holders for cylindrical fuses, fuse mounts and NH blade type fuse bases
- HV fast acting semiconductor fuses
- Automotive grade EV main fuses for electric vehicles up to 1000 Vdc
- EV fuses for auxiliary protection for 500 Vdc and 800 Vdc up to 50A
- Bolt mounted type fuses & holders
- Automotive Mini and Midi blade fuses
- Special fuses for battery ESS protection

Across all of our product range, we are proud to offer well established, certified products that have developed a reputation in the market for quality, reliability and innovation.

As a market leader and pioneer, Adler regularly extends and improves its product portfolio and informs about news on the company website.

We provide our customers with expert solutions, a high standard of professional services, an availability of stock and an "easy to deal with" experience.



Our Mission Statement

We add value to our customer's business by supplying sophisticated, high quality electrical products, solutions-focused

expertise, personal service and genuine customer care at highest possible standards in our industry.

ADLER Global Network



Leipzig - Germany
(Headquarters)



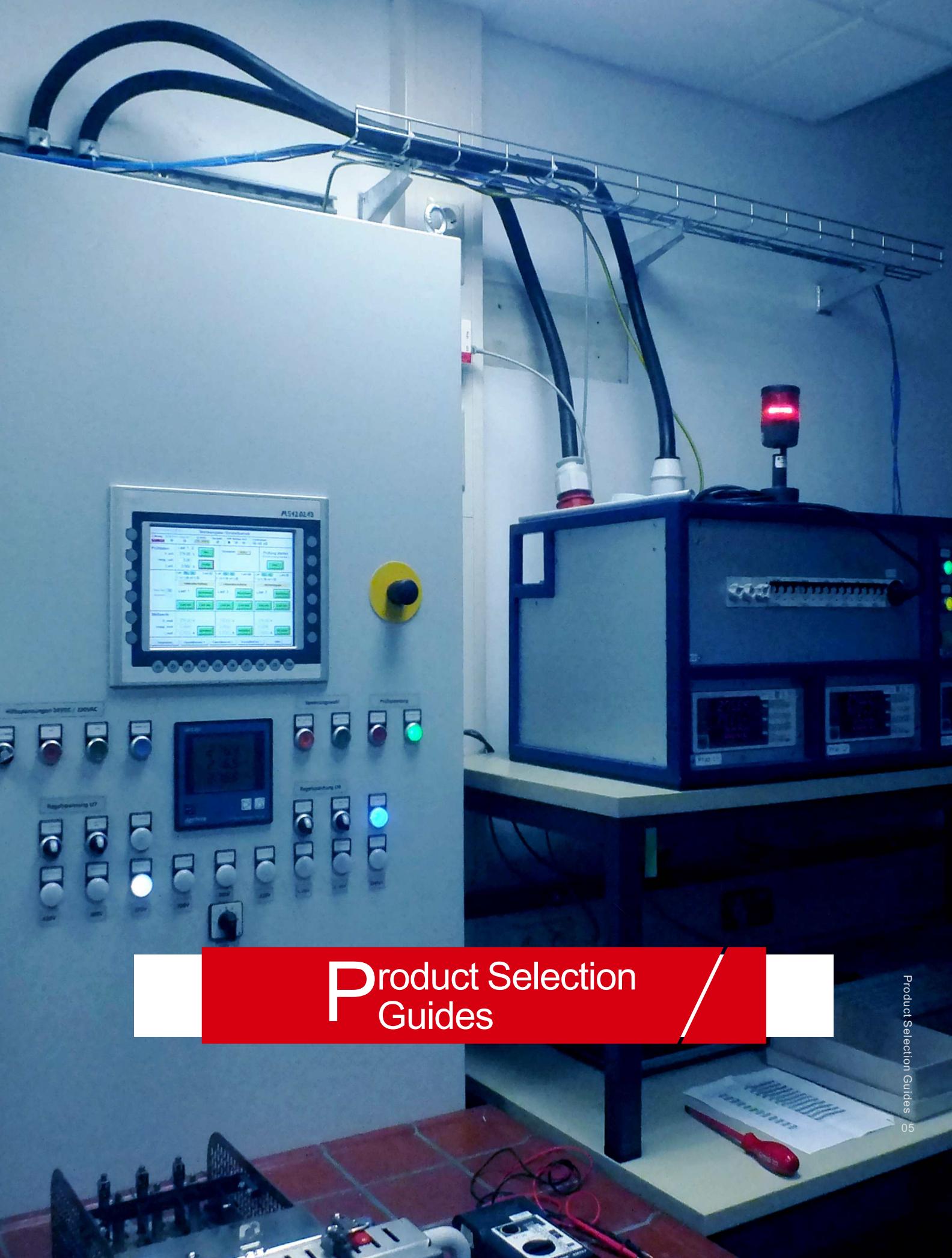
Dongguan - China
(Manufacturing and Testing)



Xi'an - China
(Manufacturing)



Regensburg - Germany
(Engineering)



Product Selection Guides

PU – Fuse Selection Guide

ADLER PU / ESS fuses are products that have been invented to protect the latest developments in the field of energy storage and transition and for that, ADLER takes references from all leading international industry and quality management standards. :

- IEC 60269-1
- GB/T 13539.4
- IEC 60269-2
- UL248-1
- IEC 60269-4
- UL248-13
- GB/T 13539.1
- IATF 16949
- GB/T 13539.2

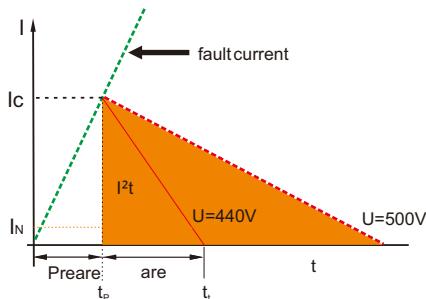
The following steps shall help you in selecting the correct PU / ESS fuse for your application:

Determine the following parameters:

1. **Rated Voltage U_n :** The rated voltage of the fuse shall not be lower than the operation voltage of the system. For PU purposes and quick-charging stations DC fuses must be applied.
2. **Rated Current I_n :** Calculate the proper rating according to the maximum continuous load current of the system. Several specific factors are to be considered for the PU environment.
3. **Dimensions:** Find the suitable dimensions and mounting method for the application. Mind automotive grade fuses must be securely fastened, usually bolt mounted.
4. **Wiring, overload capacity:** Determine, if additional cable protection is required. It is recommended that the auxiliary protection matches the cable protection as far as possible.

Voltage rating of fuse \geq max. continuous system voltage

If the rated voltage is exceeded and the arc not quenched fast enough, the Joule integral I^2t will become too large for the quartz sand to extinguish the arc. The fuse body can be damaged or destroyed as a result.



Formula for current rating of the fuse based on I_b :

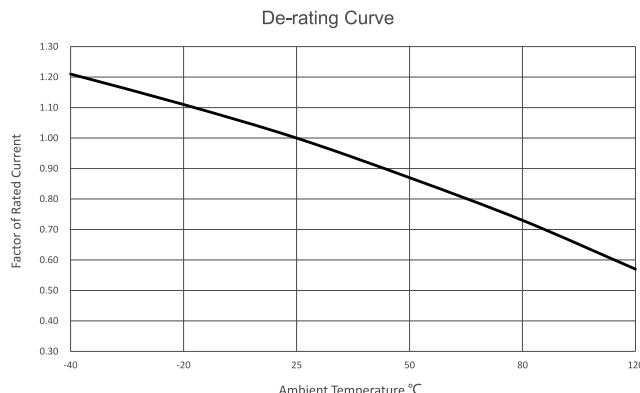
$$I_b = I_n \times K_t \times K_e \times K_v \times K_n \times K_c$$

Converted to : $I_n \geq I_b / (K_t \times K_e \times K_v \times K_n \times K_c)$

I_n : rated current of fuse

I_b : the allowable maximum continuous load current in the circuit, determined by operation current of the application

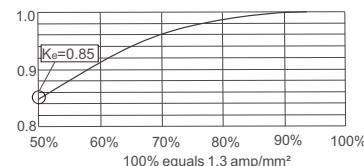
K_t : temperature derating factor, determined through measurement of the ambient temperature



K_e : Heat transfer derating of the connection

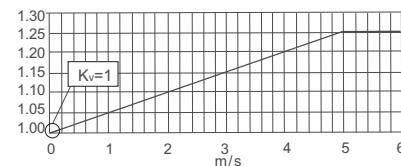
The fuse is generally connected to cables through a copper bar. The heat transfer can be determined according to the current density in the connected copper bolt in the factor correction curve of connecting device heat transfer factor K_e . Generally, the fuse copper bar has a current density of 1-1.6 amp/mm². If the rated current is too high, increase the cross section to decrease the current density.

Factor K_e can be determined with the quotient of the used cross section to the IEC cross section and the following diagram:



K_v : Cooling Correction Factor

Additional cooling will affect K_r as well as the operation time of the fuse. Natural cooling is the most recommended for PU applications, in that case we apply a factor of $K_v = 1$. The current rating can be decreased by additional cooling according to the following diagram:



K_n : Enclosure Factor

Since automotive high power fuses are mostly operated in an enclosure, especially MSD fuses, they suffer from a weaker cooling than fuses operated in the open air.

To make up for the higher heat generation, a higher rated fuse shall be considered.

Experience showed that using a factor of $K_n = 0.8$ is sufficient for handling the heat generation in MSD enclosures as well as in PDU (Power Distribution Unit) enclosures.

Other PU applications, such as stationary charging equipment, provide better heat removal, so the influence can be neglected and the factor K_n can be attained with 1.

K_c : Cyclic Loading Factor

Cyclic Loading means that the load current varies over time, in regular or irregular cycles. Depending on the current, the material might be under the influence of relative high temperature changes in relative short time. This leads to material fatigue and faster aging.

To reduce these effects, a higher fuse rating shall be applied, leading to lower temperature changes.

Cyclic Loading Factors has been determined empirically. It has shown that for irregular load changes, which is typical for PU, a factor of 0.8 is a good measure for compensating the above effects.

Based on the variables from the preliminary selection, we can now calculate the proper fuse rating:

$$I_n \geq I_b / (K_t \times K_e \times K_v \times K_n \times K_c)$$

Example:

- Operating DC Voltage: 530 V → select 800 Vdc
- Max. load current: 95 A
- PDU box temperature: 40°C → $K_t = 0.9$
- No cooling vents → $K_v = 1$
- Cable is 50 mm², 70% of IEC cable size → $K_e = 0.96$
- $K_n = 0.8$ for usage in a PDU box
- $K_c = 0.8$ for irregular cyclic loads

$$I_n \geq 95 A / (0.9 \times 1 \times 0.96 \times 0.8 \times 0.8)$$

$$I_n \geq 171.8 A$$

PU

Energy storage system (ESS) Fuses



AEP 32/65Vdc ESS Fuse



FEATURES

- 65 Vdc / 32 Vdc ESS fuse
- Rated Current: 20-200 A
- Operating Temperature: -40 to 125 degrees °C
- Breaking Capacity: 1.0 kA at 65 Vdc (20-125A)
1.5 kA at 32 Vdc (20-200A)
- Installation Method: M5/M6 bolt installation
- Torque: M5:2.5±0.5N·m ; M6: 2.5±0.5N·m
- Recommended fuse holder: BHR030-15-M5

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

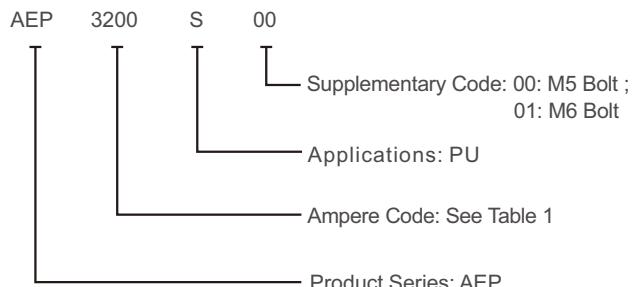
DESCRIPTION

Adler AEP series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 20A to 200A with a breaking capacity of 1.5kA.

AGENCY INFORMATION

- Ref. to ISO 8820; UL 248
- Approval: TÜV, UL
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



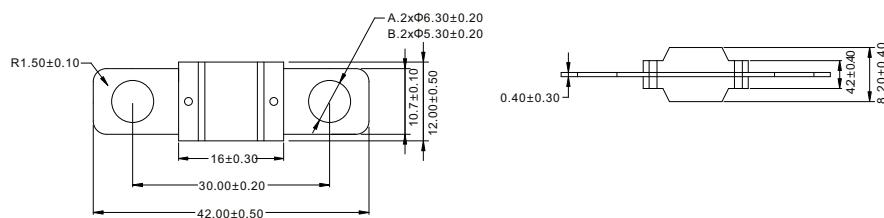
ELECTRICAL SPECIFICATIONS

Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certifications
					TÜV UL
AEP2200S00	AEP2200S01	20 A	2200		• •
AEP2300S00	AEP2300S01	30 A	2300		• •
AEP2400S00	AEP2400S01	40 A	2400		• •
AEP2500S00	AEP2500S01	50 A	2500		• •
AEP2600S00	AEP2600S01	60 A	2600		• •
AEP2700S00	AEP2700S01	70 A	2700		• •
AEP2800S00	AEP2800S01	80 A	2800		• •
AEP3100S00	AEP3100S01	100 A	3100		• •
AEP3125S00	AEP3125S01	125 A	3125		• •
-	AEP3150S01	150 A	3150		• •
-	AEP3175S01	175 A	3175		• •
-	AEP3200S01	200 A	3200		• •

Table1 Note: 1.●=Certification obtained. UL File number:E585737

2.Temperature rise:<50 K.

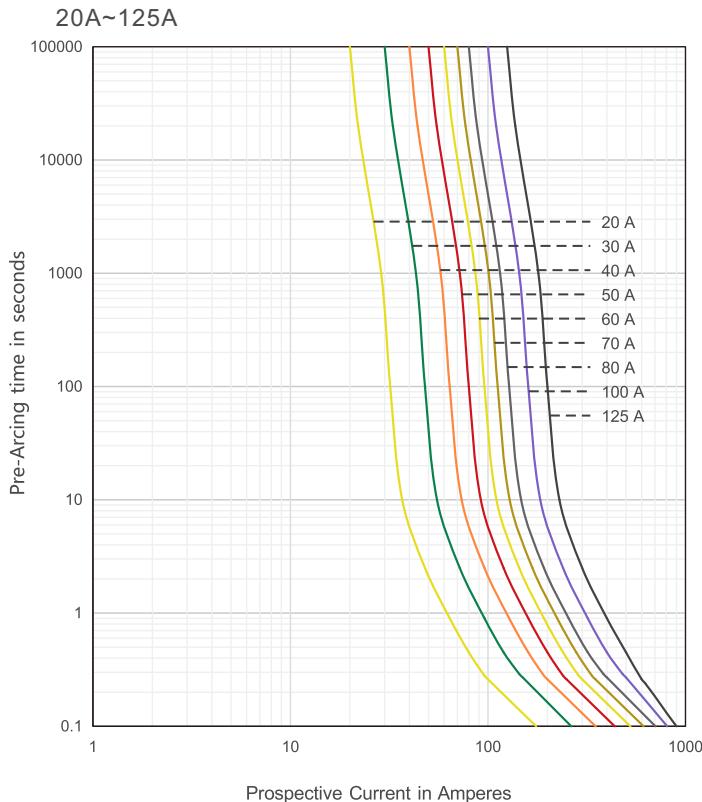
DIMENSIONS (mm)



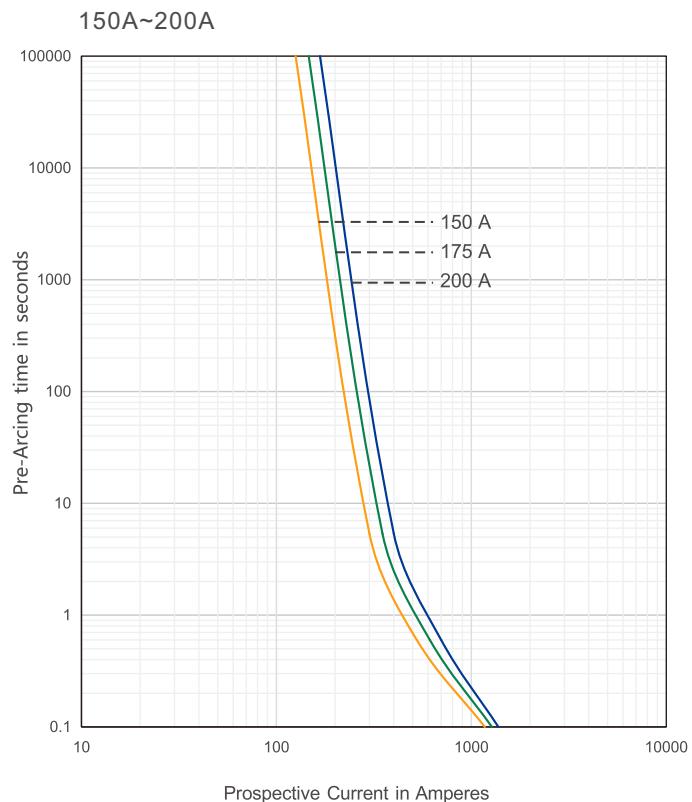
TIME VS CURRENT CHARACTERISTIC

Rated Current	75 %	100 %	110 %	150 %	200 %	300 %	350 %	500 %	600 %
20-125 A	-	>100 h	>4 h	90-3600 s	3-100 s	0.3-3 s	-	0.1-1 s	-
150 A-200 A	>100 h	-	-	-	1-15 s	-	0.3-5 s	-	0.1-1 s

TIME CURRENT CURVE



TIME CURRENT CURVE



EFT 63/85/125/150/200 Vdc ESS Fuse

RoHS



FEATURES

- Main Body: Ceramic
- Reliable clearing of DC fault currents
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 20kA
- For Short Circuit Protection

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

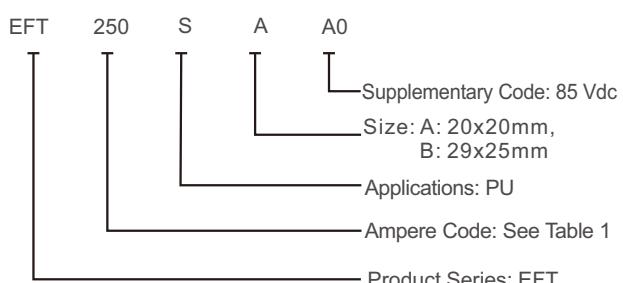
DESCRIPTION

Adler EFT series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 100A to 500A with a breaking capacity of 20kA.

AGENCY INFORMATION

- Designed to UL 248-13, ISO 20934-2019
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



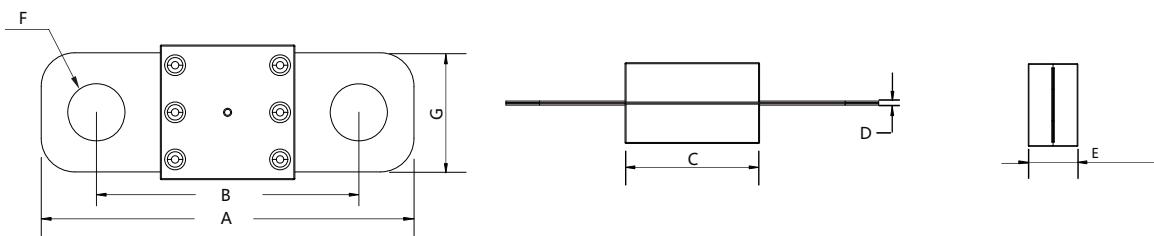
ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Pre-Arcing I^2t (A ² s)
20x20	EFT100SAA0	100 A	100	150Vdc	3In-20kA	7200
	EFT150SAA0	150 A	150			16000
	EFT200SAA0	200 A	200			28500
	EFT250SAA0	250A	250			65400
	EFT300SAA0	300A	300			89300
	EFT350SAA0	350A	350			122500
20x20	EFT400SAA0	400 A	400	125Vdc	3In-20kA	192000
	EFT500SAA0	500 A	500			276000
20x20	EFT350SA02	350 A	350	85Vdc	3In-20kA	122500
	EFT400SA02	400 A	400			192000
	EFT500SA02	500 A	500			276000
20x20	EFT350SA05	350A	350	63Vdc	3In-20kA	122000
	EFT400SA05	400A	400			191000
	EFT500SA05	500A	500			275500
29x25	EFT350SB01	350A	350	200Vdc	3In-20kA	-
	EFT350SB01	400A	400			-

Table1 Note: (1). Pre-arcng I^2t values are typical and tested at 10⁸In current.

(2). * Self-certified for Breaking Capacity 20kA (T<2ms).

DIMENSIONS (mm)



Size	A	B	C	D	E	F	G
20x20	55.4+1/-0.5	39±0.3	20+0.5/-0.1	0.6+0.1/-0.05	12+0.5/-0.2	Φ 8.5±0.3	17±0.5
29x25	78±1	56±0.5	29+0.6/-0.2	0.9±0.1	16+0.6/-0.2	Φ 8.2±0.2	22.7±0.5

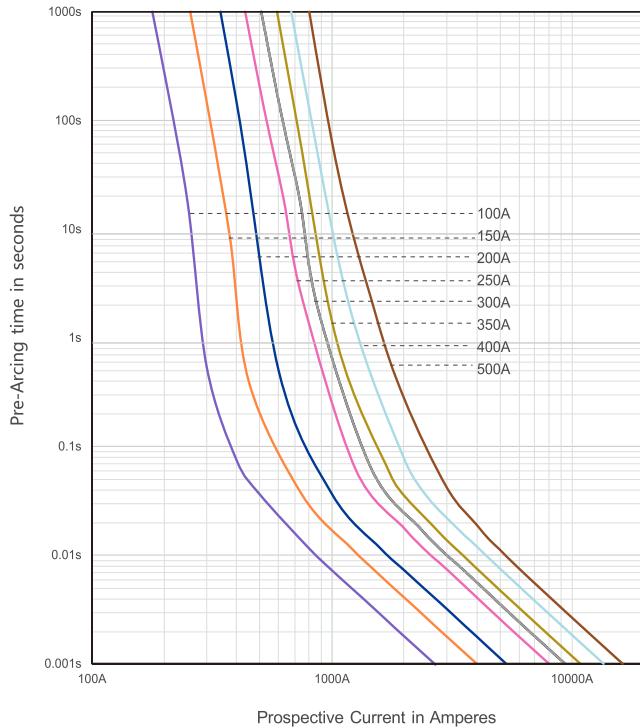
Table2

TIME VS CURRENT CHARACTERISTIC

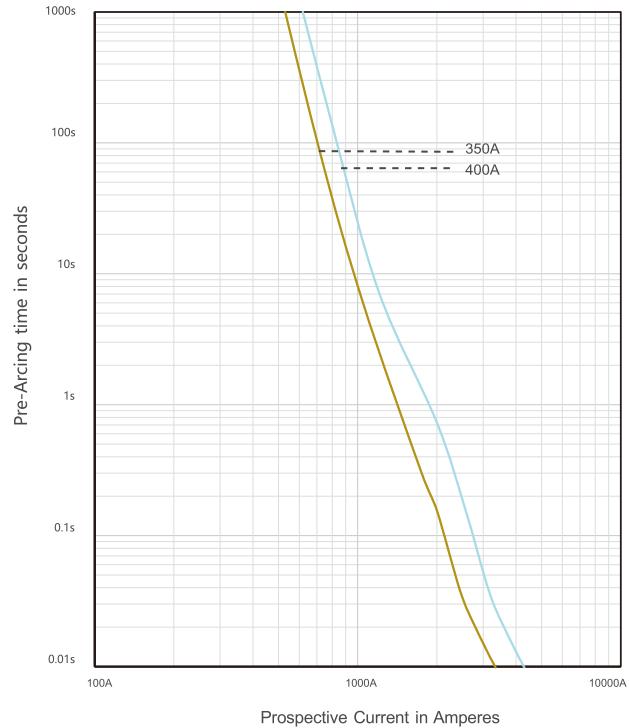
Part Number	Rated Current	100 %	300 %
EFTxxxxAxx	100-500 A	>4h	<10s

TIME CURRENT CURVE

EFTxxxxAxx 100A-500A



EFTxxxxBxx 350A-400A



AEY 70 Vdc ESS Fuse



FEATURES

- 70 Vdc ESS fuse
- Rated Current: 40-500 A
- Operating Temperature: -40 to 125°C
- Rated Breaking Capacity: 2.5 kA at 70 Vdc
- Bolt Size: M8
- Torque: M8:12N·m
- Recommended fuse holder: BHR059-25-M8, BHR051-25-M8, BHR050-25-M8

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Voltage Drop Max.(mV)	I ² t(A ² S)		Certifications	
M8 Bolt	M6 Bolt						Pre-Arcing	Total	UL	TUV
AEY2100S00	-	10 A	2100	70 Vdc	2.5 kA@70 Vdc	135	120	178	•	•
AEY2150S00	-	15 A	2150				380	450	•	•
AEY2200S00	-	20 A	2200				620	700	•	•
AEY2250S00	-	25 A	2250				860	1093	•	•
AEY2300S00	-	30 A	2300				4300	1800	•	•
AEY2350S00	-	35 A	2350				5900	3062	•	•
AEY2400S00	AEY2400S01	40 A	2400			11875	12500	•	•	•
AEY2500S00	AEY2500S01	50 A	2500			17100	18000	•	•	•
AEY2600S00	AEY2600S01	60 A	2600			23275	24500	•	•	•
AEY2700S00	AEY2700S01	70 A	2700			30400	32000	•	•	•
AEY2800S00	AEY2800S01	80 A	2800			47500	50000	•	•	•
AEY3100S00	AEY3100S01	100 A	3100			74219	78125	•	•	•
AEY3125S00	AEY3125S01	125 A	3125			106875	11250	•	•	•
AEY3150S00	AEY3150S01	150 A	3150			145769	15312	•	•	•
AEY3175S00	AEY3175S01	175 A	3170			190000	20000	•	•	•
AEY3200S00	AEY3200S01	200 A	3200			240469	25312	•	•	•
AEY3225S00	AEY3225S01	225 A	3225			296875	31250	•	•	•
AEY3250S00	AEY3250S01	250 A	3250			427500	45000	•	•	•
AEY3300S00	AEY3300S01	300 A	3300			781250	80000	•	•	•
AEY3350S00	AEY3350S01	350 A	3350			1120000	12000	•	•	•
AEY3400S00	AEY3400S01	400 A	3400			1417500	15187	•	•	•
AEY3450S00	AEY3450S01	450 A	3450			1750000	18750	•	•	•
AEY3500S00	AEY3500S01	500 A	3500							

Table1 Note:1. •=Certification obtained. UL File number:E485737

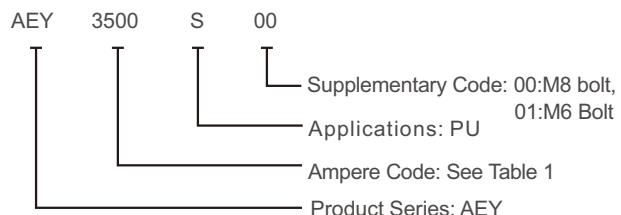
DESCRIPTION

Adler AEY series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 10A to 500A with a breaking capacity of 2.5kA.

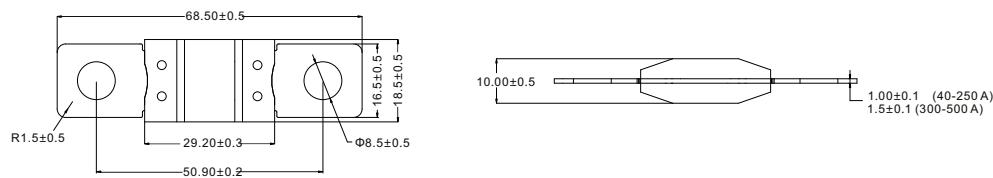
AGENCY INFORMATION

- Ref. to: UL248, ISO20934, ISO8820
- Approvals: UL (E485737) and TÜV (50551893)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



DIMENSIONS (mm)



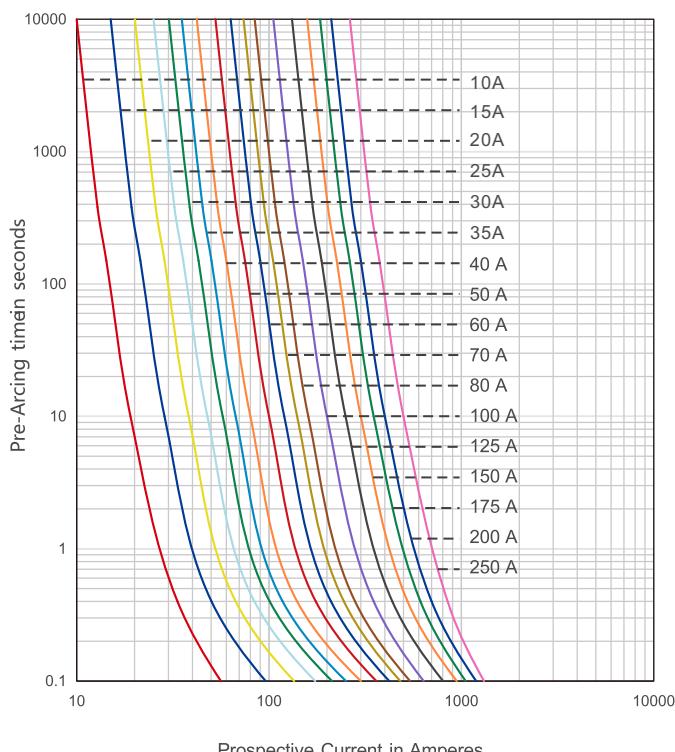
TIME VS CURRENT CHARACTERISTIC

Rated Current	75 %	100 %	135 %	200 %	350 %	600 %
40-250 A	-	>4 h	2-30 min	1-15 s	0.3-5 s	0.1-1 s
300-500 A	>4 h	-	-	1-15 s	0.3-5 s	0.1-1 s

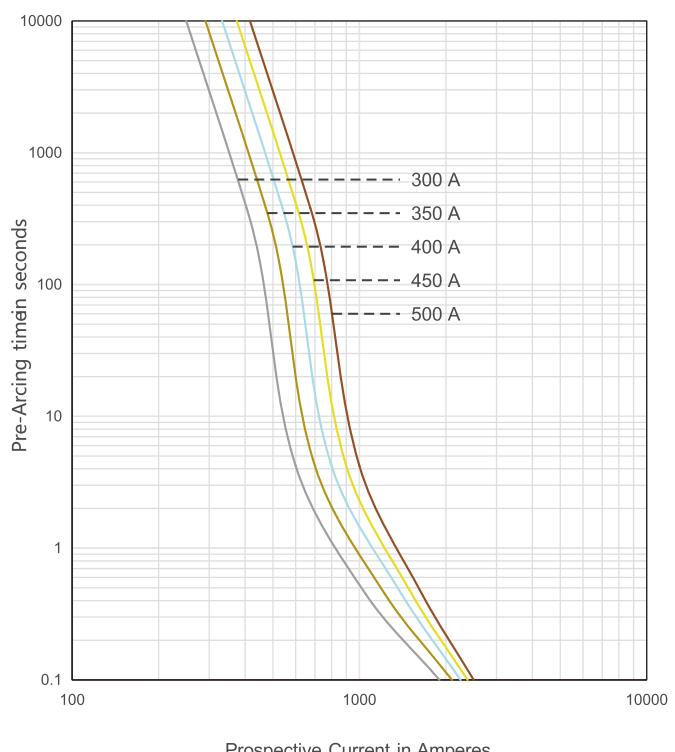
Table2

TIME CURRENT CURVE

10A~250A



300A~500A



AEL 80 Vdc ESS Fuse



FEATURES

- 80 Vdc ESS fuse
- Rated Current: 30-800 A
- Rated Breaking Capacity: 3 kA at 80 Vdc
- Bolt Size: M10
- Torque: M10:19 N·m
- Recommended fuse holder:
BHR061-25-M10(with cover):30-200A;
BHR061-25-M10-S(No cover):30-800A;

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

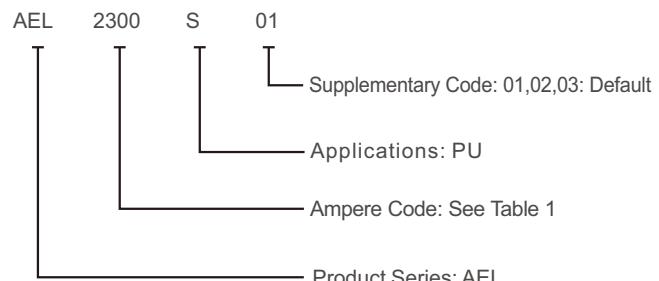
DESCRIPTION

Adler AEL series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 30A to 800A with a breaking capacity of 3kA.

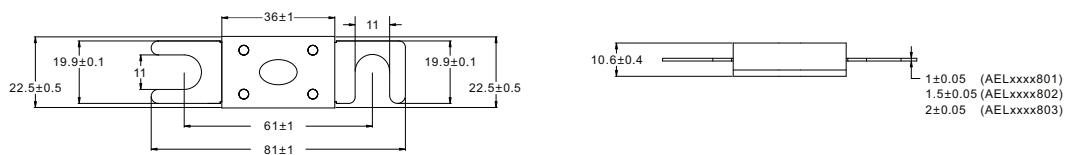
AGENCY INFORMATION

- Designed to UL 248; DIN 43560
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



DIMENSIONS (mm)





PU

Energy storage system (ESS) Fuses

ELECTRICAL SPECIFICATIONS

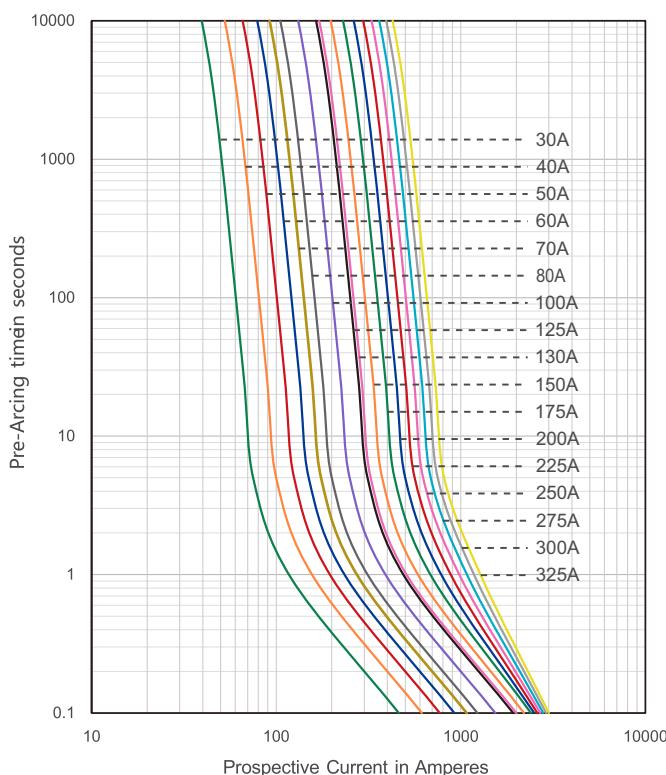
Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certifications
					UL TUV
AEL2300S01	30 A	2300			● ●
AEL2400S01	40 A	2400			● ●
AEL2500S01	50 A	2500			● ●
AEL2600S01	60 A	2600			● ●
AEL2700S01	70A	2700			● ●
AEL2800S01	80 A	2800			● ●
AEL3100S01	100 A	3100			● ●
AEL3125S01	125 A	3125			● ●
AEL3130S01	130 A	3130			● ●
AEL3150S01	150 A	3150			● ●
AEL3175S01	175 A	3175			● ●
AEL3200S01	200 A	3200			● ●
AEL3225S01	225 A	3225			● ●
AEL3250S01	250 A	3250			● ●
AEL3275S01	275 A	3275			● ●
AEL3300S01	300 A	3300			● ●
AEL3325S01	325 A	3325			● ●
AEL3350S02	350 A	3350			● ●
AEL3400S02	400 A	3400			● ●
AEL3500S02	500 A	3500			● ●
AEL3600S02	600 A	3600			● ●
AEL3675S03	675 A	3675			● ●
AEL3700S03	700A	3700			● ●
AEL3750S03	750 A	3750			● ○
AEL3800S03	800 A	3800			● ○

Table1 Note:1. ●=Certification obtained,○ = certification in process.

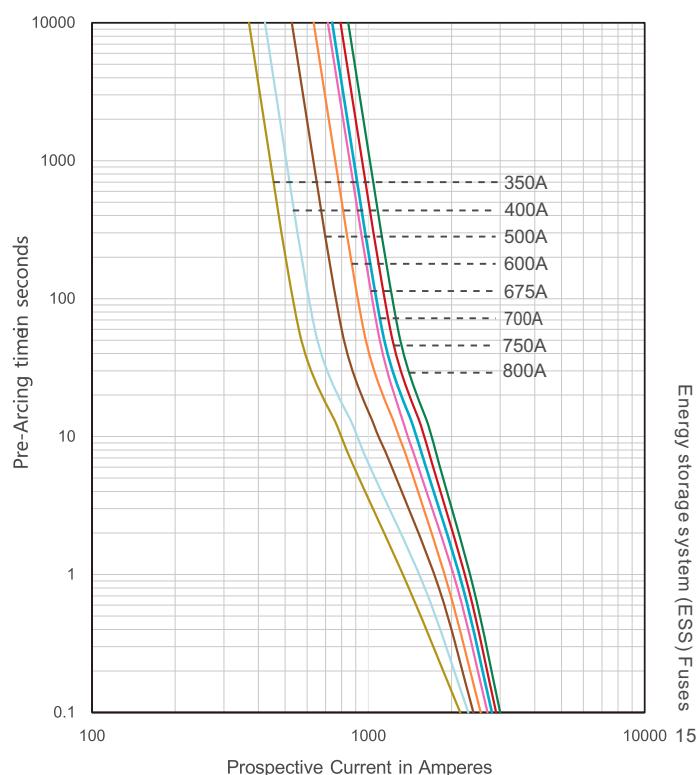
2. Temperature rise: <50 K.

TIME CURRENT CURVE

AELxxxx801



AELxxxx802/AELxxxx803



EFP 125 Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- Breaking capacity to 3kA
- Operation as low as 300% In overload protection
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Typical Cold Resistance(mΩ)	Typical Pre-Arcing I ² t (A ² S)
	M5 Bolt	M6 Bolt						
16x12	EFP050SA00	EFP050SA01	50 A	050	63 Vdc 100 Vdc 125 Vdc	3In-8kA@63Vdc 3In-6kA@100Vdc 3In-3kA@125Vdc	0.92	1250
	EFP060SA00	EFP060SA01	60 A	060			0.73	2230
	EFP080SA00	EFP080SA01	80 A	080			0.51	5400
	EFP100SA00	EFP100SA01	100 A	100			0.43	9600
	EFP150SA00	EFP150SA01	150 A	150			0.33	21800
	EFP200SA00	EFP200SA01	200 A	200			0.24	38500
	EFP250SA00	EFP250SA01	250 A	250			0.19	60500
	EFP300SA00	EFP300SA01	300 A	300			0.16	85000
	EFP350SA00	EFP350SA01	350 A	350	125 Vdc	3In-3kA@125 Vdc	0.13	92000

Table1 Note: (1).Typical Pre-arcng I²t are measured at 10In Current

(2).Recommend tightening torque is M6 with 5-5.5N•m; M5 with 3.5-4N•m

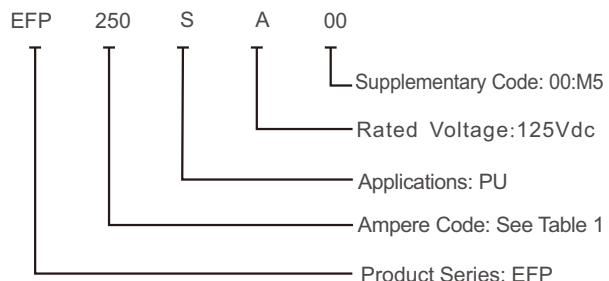
DESCRIPTION

Adler EFP series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 50A to 350A with a breaking capacity of 3kA.

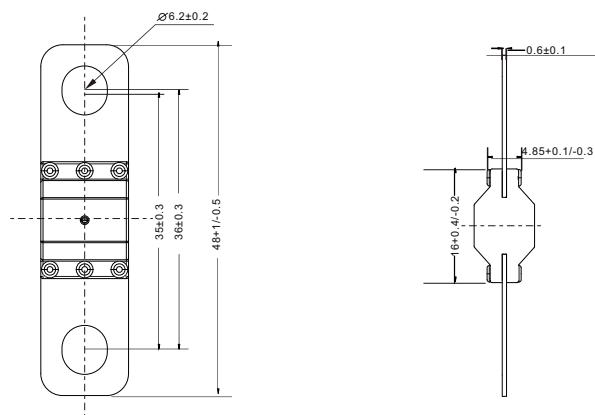
AGENCY INFORMATION

- Designed to UL 248-13, ISO 20934-2019 (Type SF36)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



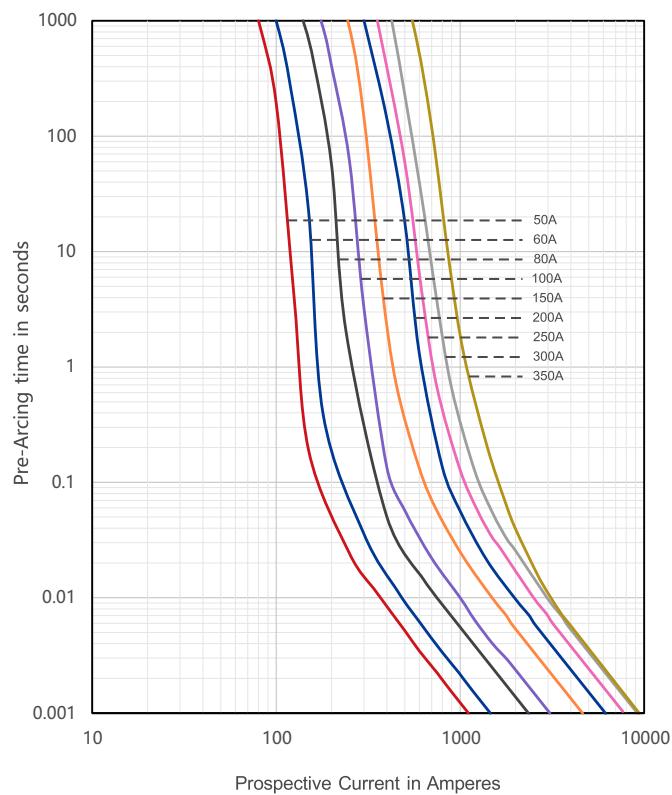
DIMENSIONS (mm)



TIME VS CURRENT CHARACTERISTIC

Part Number	100 %	300 %
EFPxxSAXx	>4h	<10s

TIME CURRENT CURVE



AT1 150 Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 20kA
- Full coverage of battery module current
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

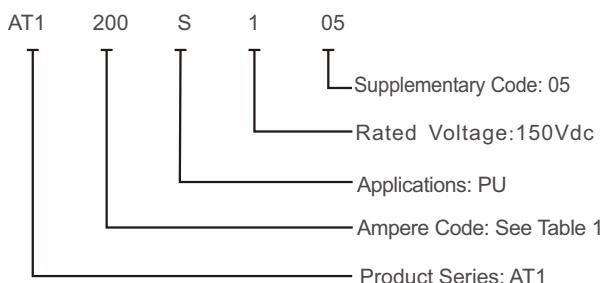
DESCRIPTION

Adler AT1 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 20A – 200A with a breaking capacity of 20kA.

AGENCY INFORMATION

- Designed to UL 248-13, UL 248-20, JASO D622
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM

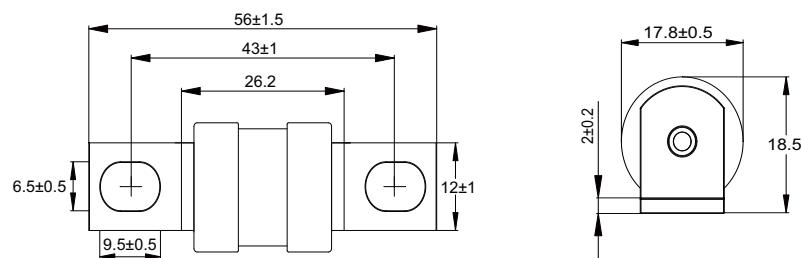
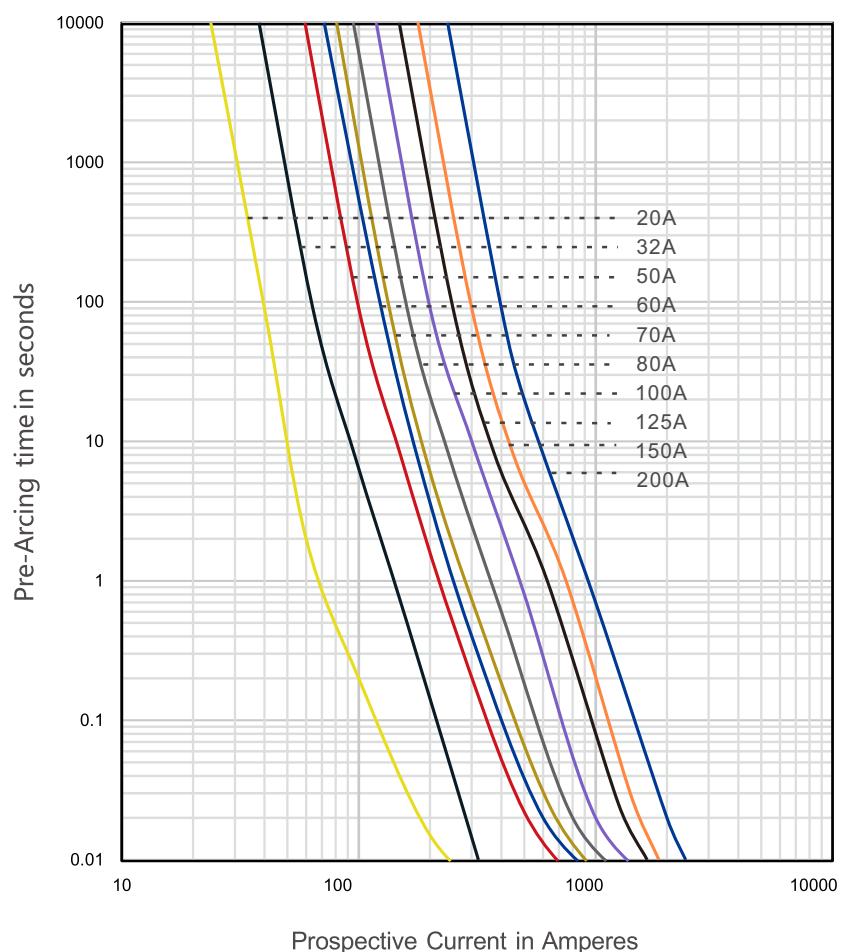


ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Watt Loss(W)	Certifications
						1.0In	UL
25x18	AT1020S105	20 A	020	150 Vdc	20 kA@150 Vdc	1.8	●
	AT1032S105	32 A	032			3.5	●
	AT1050S105	50 A	050			6	●
	AT1060S105	60 A	060			7.5	●
	AT1080S105	80 A	080			9	●
	AT1110S105	100 A	100			11	●
	AT1125S105	125 A	125			12.8	●
	AT1150S105	150 A	150			16.2	●
	AT1200S105	200 A	200			18.5	●

Table1 Note: (1) Temperature Rise: $\leq 45K$ with 0.6In of rated current

(2)●=Certification obtained. UL File number:E485737

DIMENSIONS (mm)

TIME CURRENT CURVE


EF3 150/350 Vdc ESS Fuse



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 410% In overload protection
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

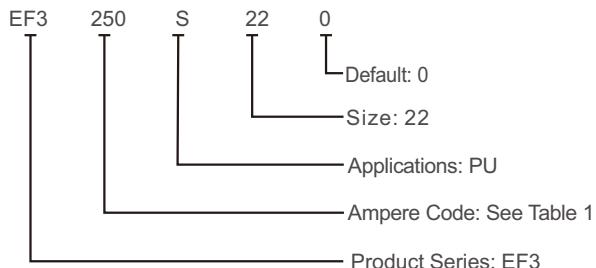
DESCRIPTION

Adler EF3 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With currents from 150A - 700A with a breaking capacity of 50kA.

AGENCY INFORMATION

- Designed to UL 248-20, ISO 8820-8, GB/T 31465
- UL Recognized Component
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM

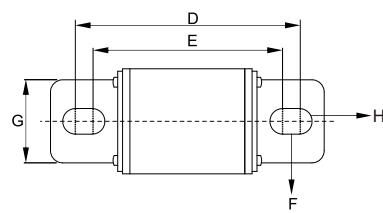
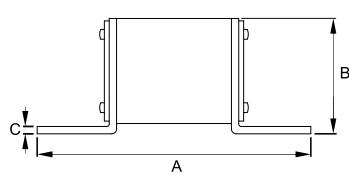


ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity		Pre-arcng A ² sec	Wait Loss(W) 1.0In
					UL**	Self-Certified		
77X20	EF3150S220	150A	3150	200Vdc 315Vdc	4.1In~50kA@200 Vdc	6kA@315 Vdc	4500	23.1
	EF3175S220	175A	3175	200Vdc 315Vdc	4.1In~50kA@200 Vdc	6kA@315 Vdc	6600	25.2
	EF3200S220	200A	3200	200Vdc 315Vdc	4.1In~50kA@200 Vdc	6kA@315 Vdc	8500	27.5
	EF3250S220	250A	3250	200Vdc 315Vdc	4.1In~50kA@200 Vdc	6kA@315 Vdc	16000	30.5
	EF3300S220	300A	3300	200Vdc	4.1In~50kA@200 Vdc	-	29000	34.3
	EF3350S220	350A	3350	200Vdc	○	50kA@200 Vdc	31500	37.5
79X32	EF3350S370	350A	3350	250Vdc	4.1In~50kA@200 Vdc	-	28750	44.5
	EF33400S70	400A	3400	250Vdc	4.1In~50kA@200 Vdc	-	43700	45.5
	EF3450S370	450A	3450	250Vdc	4.1In~50kA@200 Vdc	-	56350	57.0
	EF3500S370	500A	3500	250Vdc	4.1In~50kA@200 Vdc	-	67600	61.3
77X30	EF3600S37A	600A	3600	150Vdc	○	50kA@200 Vdc	82000	66.0
	EF3700S37A	700A	3700	150Vdc	○	50kA@200 Vdc	128000	75.0

Table1 1. ** = UL File: E506668

2. ○ = UL certification in process

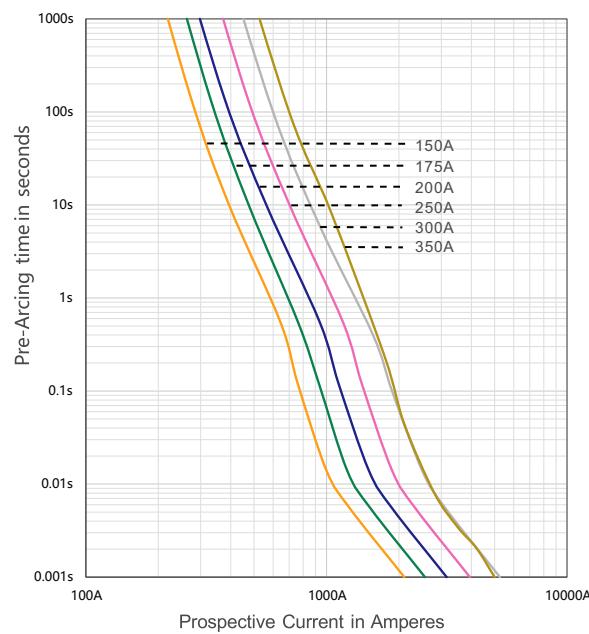
DIMENSIONS (mm)

Fuse Size	A	B	C	D	E	F	G	H
36X22	77±1	25.0±1	2.0	62.0±0.8	49.5±0.8	6.25±0.8	20.0±0.5	Φ 8.5±0.5
79X32	79±1	24.0±1	2.0	62.5±0.8	49.5±1.0	6.5±0.8	32.3±1.0	Φ 8.5±0.5
77X30	77±1	31.8±1	2.0	59.0±0.8	51.0±1.0	4.0±1.0	30.0±0.5	Φ 8.5±0.5

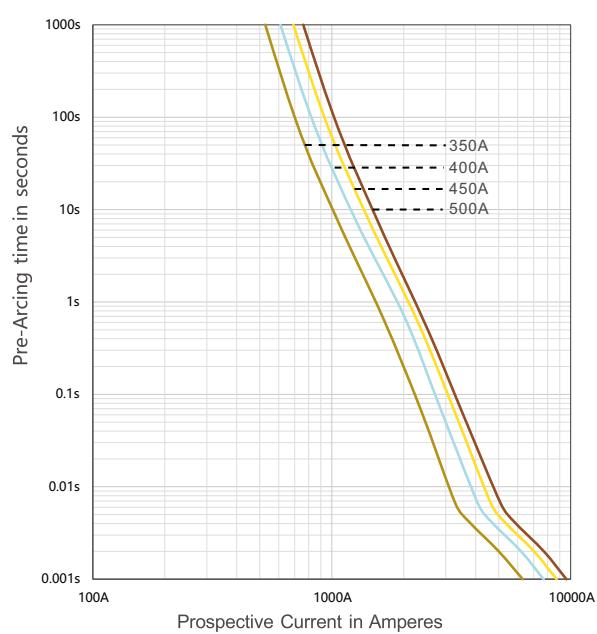
Table2

TIME CURRENT CURVE

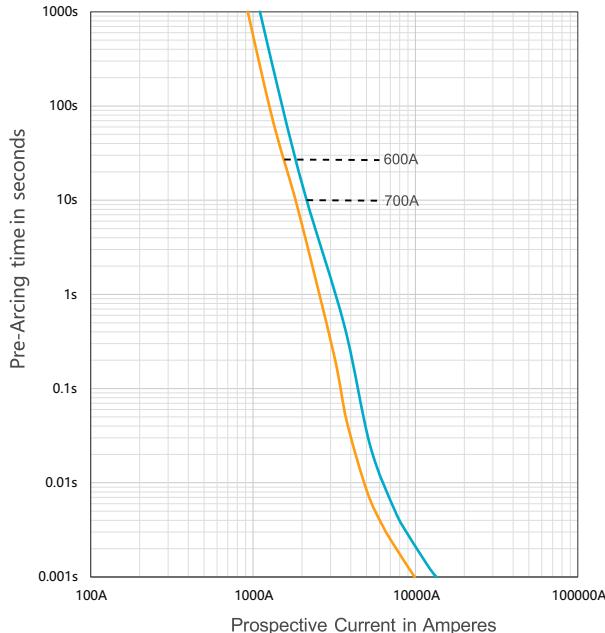
EF3xxxx220



EF3xxxx370



EF3xxxx37A





PU

Energy storage system (ESS) Fuses

AB1 200 Vdc ESS Fuse



FEATURES

- 200 VDC fuse
- Rated Current: 50-300 A
- Breaking Capacity: 20 kA
- Dimensions: 22x29mm
- Mounting choices: Level Mount and Central Mount

APPLICATIONS

- ESS and BESS circuit protection
- Power storage protection

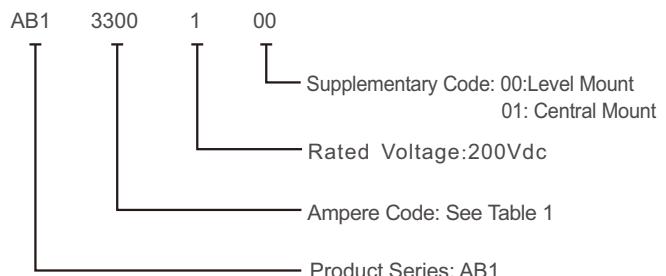
DESCRIPTION

Adler AB1 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 50A to 300A with a breaking capacity of 20kA.

AGENCY INFORMATION

- Approvals: UL (E485737)
- Ref. to: UL 248-13; IEC 60269-4

PART NUMBER SYSTEM



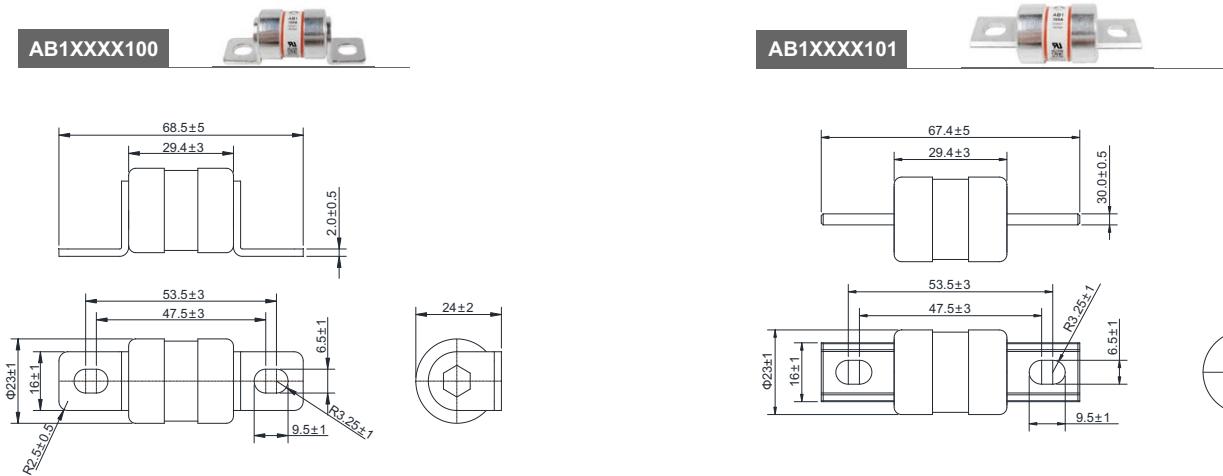
ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Dissipation(W)	Certifications
Level Mount	Central Mount					1.0In	UL
AB12500100	AB12500101	50 A	2500	200 Vdc	20 kA@200 Vdc	6.5	●
AB12600100	AB12600101	60 A	2600			9.0	●
AB12700100	AB12700101	70 A	2700			12.0	●
AB12800100	AB12800101	80 A	2800			12.5	●
AB13100100	AB13100101	100 A	3100			13.5	●
AB13125100	AB13125101	125 A	3125			25.0	●
AB13150100	AB13150101	150 A	3150			26.0	●
AB13200100	AB13200101	200 A	3200			30.0	●
AB13300100	AB13300101	300 A	3300			45.0	●

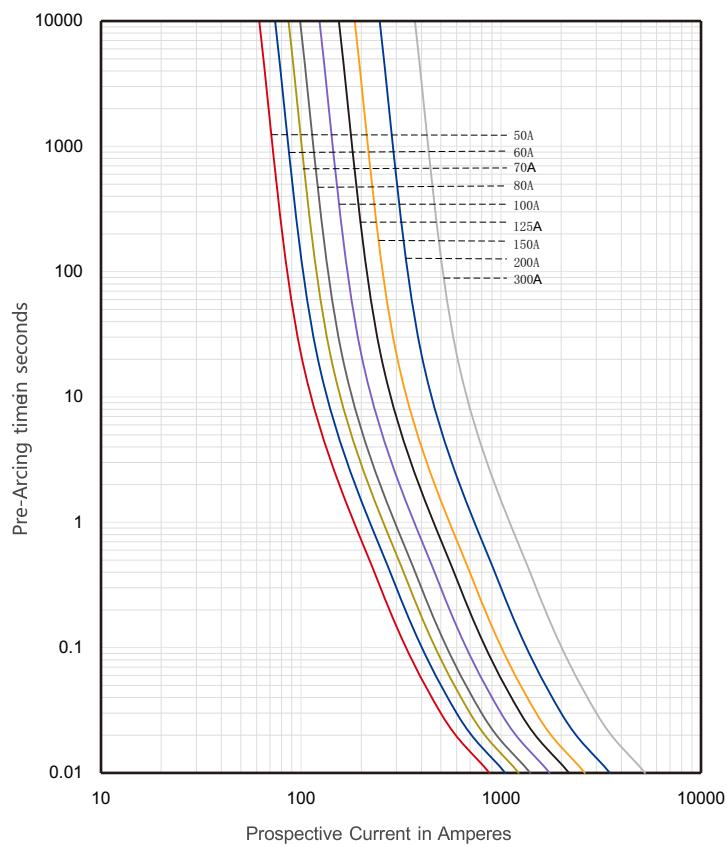
Table1 Note: (1) Operation Temperature Range: -40°C to +125°C

(2)●=Certification obtained. UL File number:E585737

DIMENSIONS (mm)



TIME CURRENT CURVE



AT2 250Vdc ESS Fuse

[RoHS]



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 10kA
- Full coverage of battery module current
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

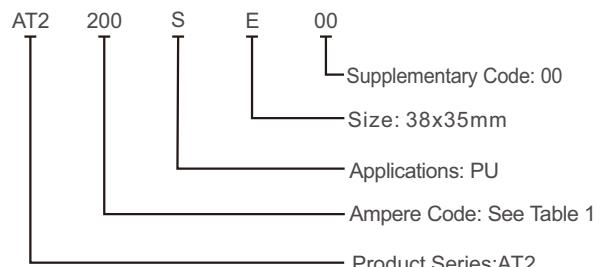
DESCRIPTION

Adler AT2 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 200A to 500A with a breaking capacity of 10kA.

AGENCY INFORMATION

- Designed to UL 248-13, UL 248-20, JASO D622
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM

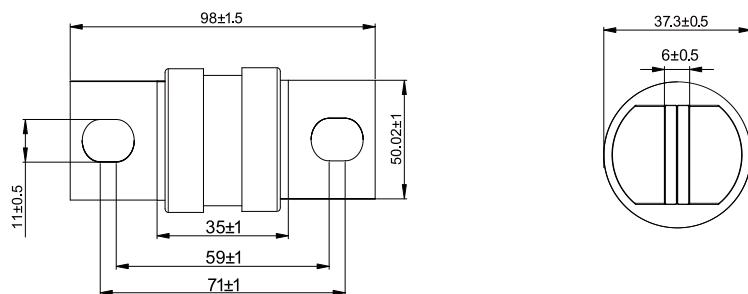


ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	1.0 In Dissipation (W)
38x35	AT2200SE00	200 A	3200	250 Vdc	10 kA@250 Vdc	35
	AT2250SE00	250 A	3250			37
	AT2300SE00	300 A	3300			40
	AT2350SE00	350 A	3350			45
	AT2400SE00	400 A	3400			49
	AT2450SE00	450 A	3450			67
	AT2500SE00	500 A	3500			75

Table1 Note: (1) Temperature rise: <50 K.

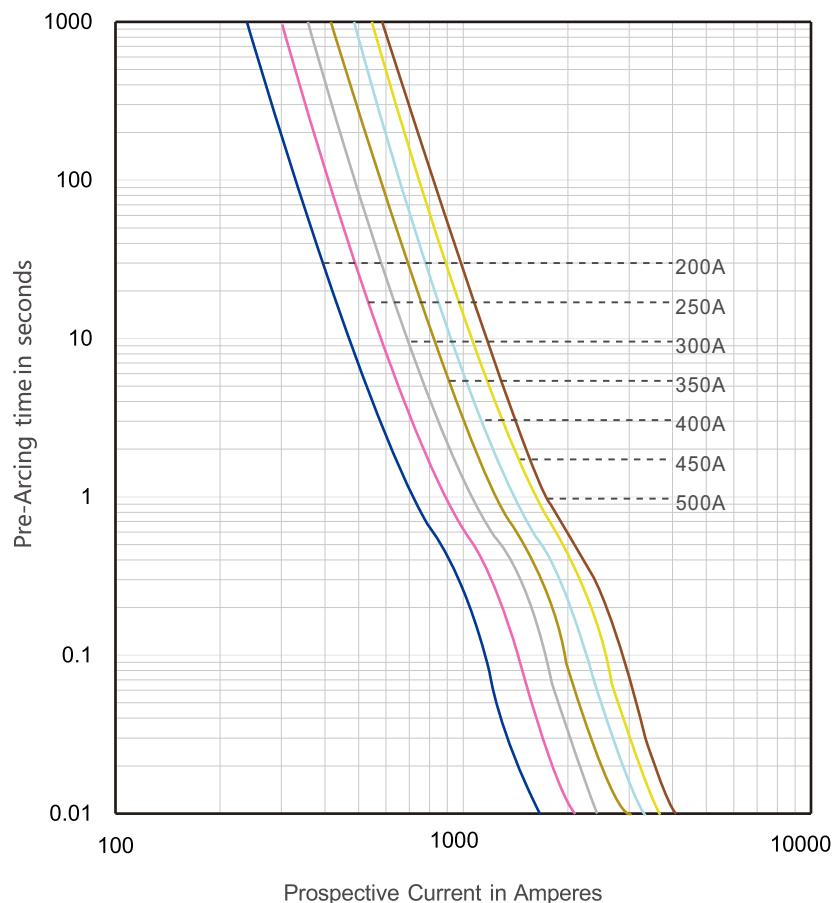
DIMENSIONS (mm)



TIME VS CURRENT CHARACTERISTIC

Rated Current	200 %	300 %	500 %
200-500A	1-300s	0.2-30s	0.1-10s

TIME CURRENT CURVE



EF5 500 Vdc ESS Fuse



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 410% In overload protection
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

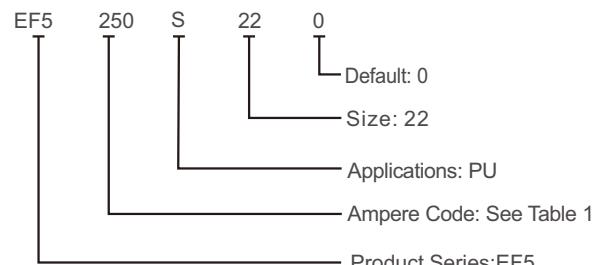
DESCRIPTION

Adler EF5 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With currents from 100A – 400A with a breaking capacity of 50kA.

AGENCY INFORMATION

- Designed to UL 248-20
- UL Recognized Component
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM

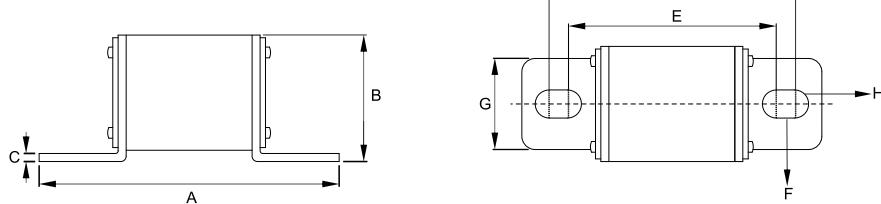


ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity (UL**)	I ² T(A ² sec)		Watt Loss(W)
						Pre-arcing	Total @ 500Vdc	
49x22	EF5100S220	100 A	100	500 Vdc	5.1In~50 kA	1770	7020	14.9
	EF5125S220	125A	125			2850	11500	19.3
	EF5150S220	150 A	150			4150	15770	23.1
	EF5175S220	175 A	175			5970	22850	27.5
	EF5200S220	200 A	200			9350	36500	30.8
	EF5250S220	250 A	250			16600	67800	35.2
49x36	EF5300S370	300 A	300	500 Vdc	5.1In~50 kA	20500	67500	7.1
	EF5350S370	350 A	350			32600	107580	7.85
	EF5400S370	400 A	400			42250	148000	9.8

Table1 1. ** -- UL File: E506668
2. Recommend mounting torque is 12+/-1.0Nm (M8)

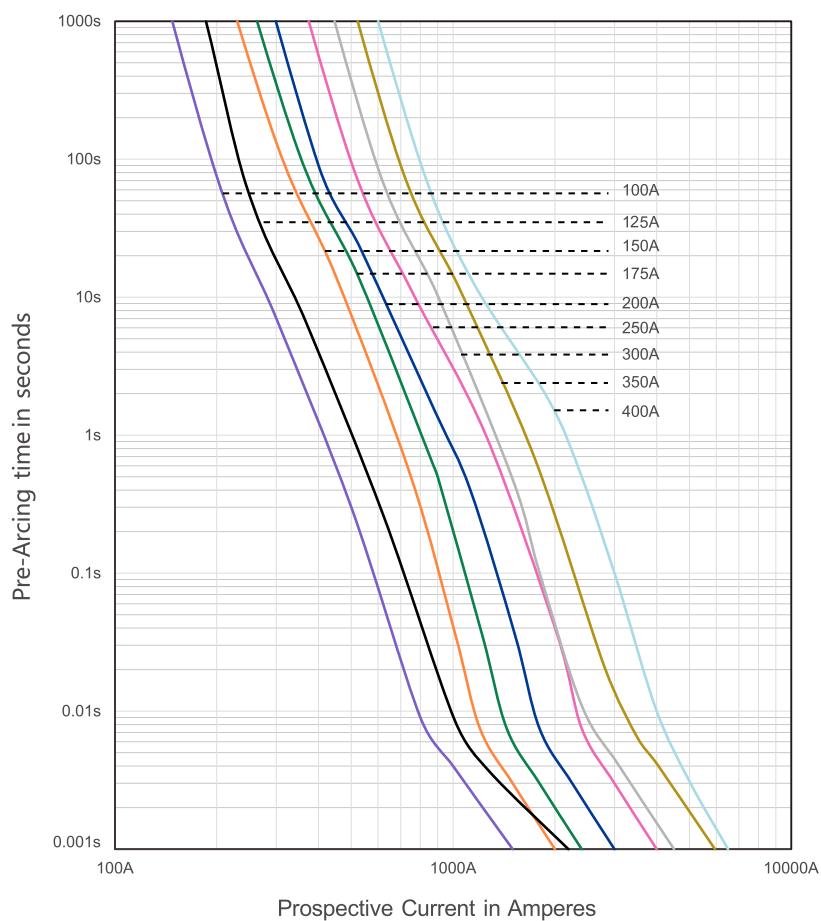
DIMENSIONS (mm)



Size	A	B	C	D	E	F	G	H
49x22	90±1	25±1	2±0.1	75±0.1	62.5±0.8	12.5	20±0.5	Φ 8.5±0.5
49x36	92±1.5	24±1	2±0.1	75.5±0.1	62.5±1	13	32.5±0.5	Φ 8.5±0.5

Table2

TIME CURRENT CURVE





PU

Energy storage system (ESS) Fuses

EF8 800 Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 20kA
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

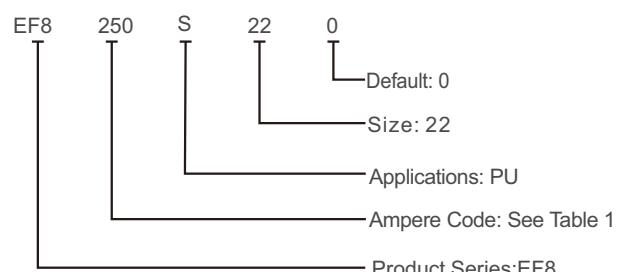
DESCRIPTION

Adler EF8 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made for the highest quality materials and tested to the highest standards. With rated currents from 100A to 400A with a breaking capacity of 20kA.

AGENCY INFORMATION

- Designed to UL 248-20, IEC 60269-4
- UL Recognized Component
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



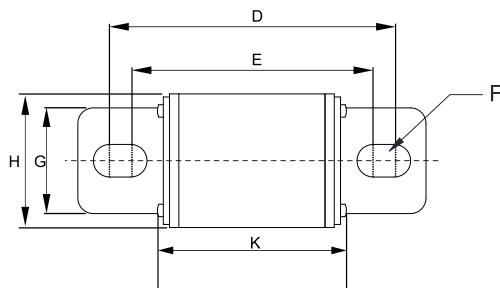
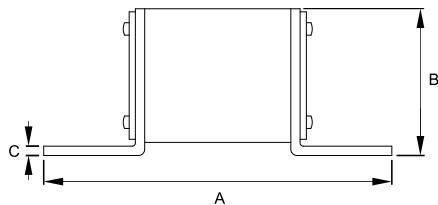
ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity(UL**)	I ² T(A ² sec)		Watt Loss(W)	
						Pre-arcing	Total @ 800Vdc	0.5 In	1.0 In
98x22	EF8100S80L	100 A	100	800 Vdc	6In~20 kA	990	5120	6	21
	EF8125S80L	125A	125			1650	8910	4	23
	EF8150S80L	150A	150			2750	16500	7	25
	EF8160S80L	160 A	160			11000	-	5.1	29.5
	EF8200S80L	200 A	200			6200	41500	7.5	30
	EF8250S80L	250 A	250			11000	75000	-	37
100x36	EF8250S81L	250 A	250	800 Vdc	6In~20 kA	8900	50700	9.5	48
	EF8315S81L	315 A	315			12500	73000	11.3	60
	EF8350S81L	350 A	500			18500	115000	15.1	65
	EF8400S81L	400 A	400			26500	172000	17.4	72

Table1 1. ** --- UL File: E506668

2. Recommend mounting torque is 12+/-1.0Nm (M8)

DIMENSIONS (mm)

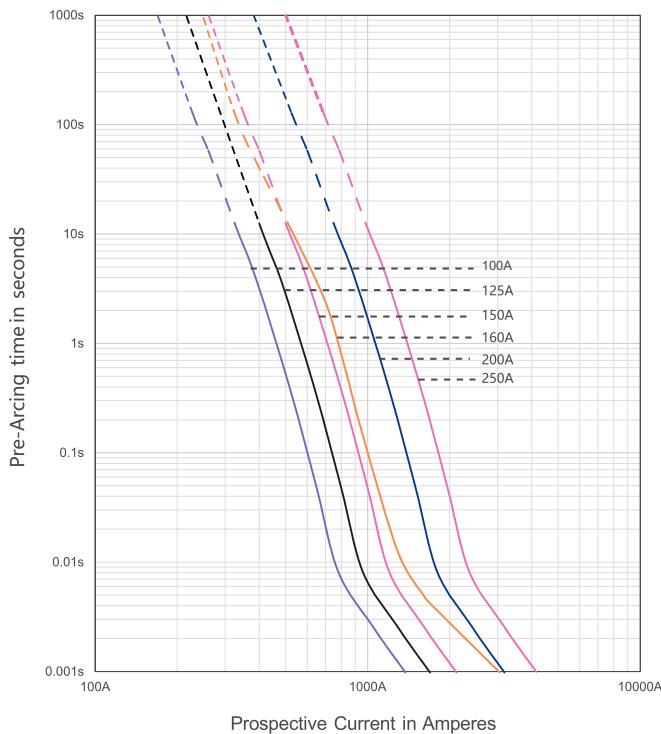


Part Number	A±1	B±1	C	D±1	E±1	F	G±0.5	H	K±3
EF8xxS80L	98	25.0	2±0.2	83	70.5	Φ 8.5	20.0	22±0.8	57
EF8xxS81L	100	24.0	2±0.1	83	71	Φ 10.5	32.5	36.3+1.2/-0.5	57

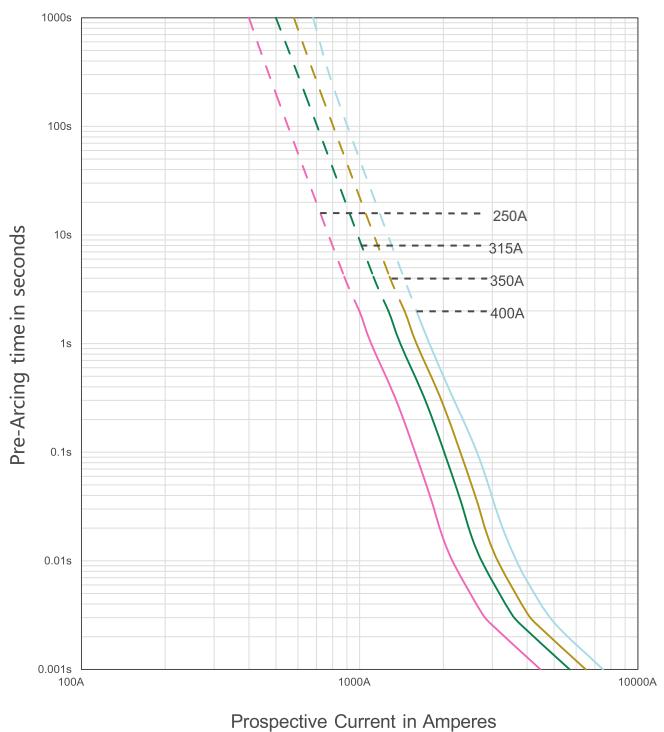
Table2

TIME CURRENT CURVE

EF8xxS80L 100A-200A



EF8xxS81L 250A-400A



AT7 800 Vdc ESS Fuse

RoHS



DESCRIPTION

Adler AT7 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 125A to 400A with a breaking capacity of 20kA.

FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- QR code marks on each fuse for traceability

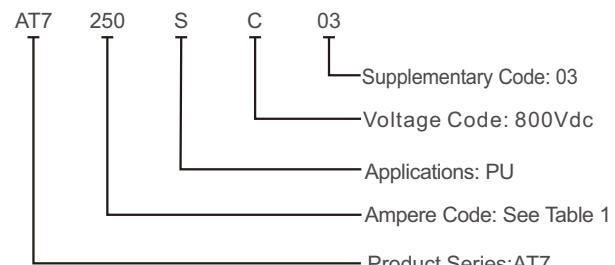
APPLICATIONS

- ESS and BESS circuit protection
- Power Storage Protection

AGENCY INFORMATION

- Designed to UL 248-20, UL 248-13
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM

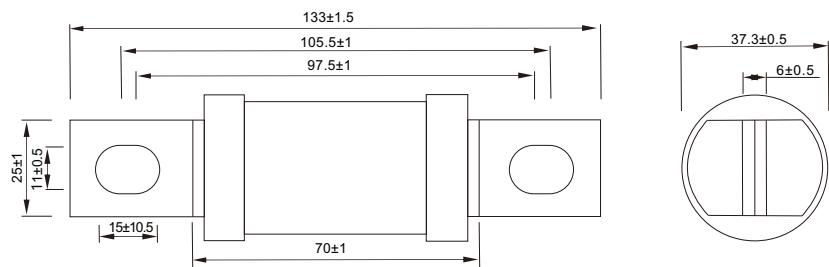
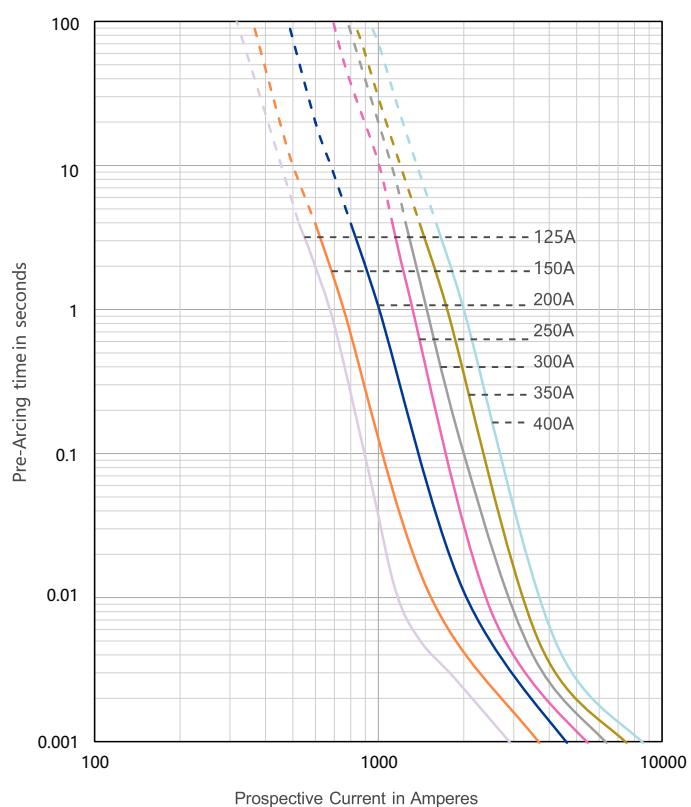


ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Dissipation (W) 1.0 In
38x70	AT7125SC03	125 A	125	800 Vdc	20 kA@800 Vdc	23
	AT7150SC03	150 A	150			32
	AT7200SC03	200 A	200			42
	AT7250SC03	250 A	250			45
	AT7300SC03	300 A	300			50
	AT7350SC03	350 A	350			65
	AT7400SC03	400 A	400			71

Table1 Note: 1. Temperature rise: 0.5In<45K.

2. Recommend tightening torque is 20±1.0Nm (M10).

DIMENSIONS(mm)

TIME CURRENT CURVE




PU

Energy storage system (ESS) Fuses

AT8 800 Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 20kA
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Power Storage Protection

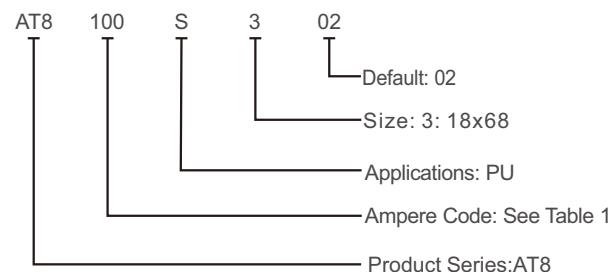
DESCRIPTION

Adler AT8 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 50A to 200A with a breaking capacity of 20kA.

AGENCY INFORMATION

- Designed to UL 248-20, UL 248-13
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	I ² t (A ² sec)	Certifications	
							1.0In	UL
18x68	AT8050S302	50 A	050	800 Vdc	10kA@800 Vdc	8500	9.5	•
	AT8060S302	60 A	060			12000	12	•
	AT8070S302	70 A	070			21000	13	•
	AT8080S302	80 A	080			25000	15	•
	AT8100S302	100 A	100			50000	18	•
30x65	AT8125S302	125 A	125	800 Vdc	20kA@800 Vdc	5780	-	•
	AT8150S302	150 A	150			8850	-	•
	AT8175S302	175 A	175			12250	-	•
	AT8200S302	200 A	200			16000	-	•

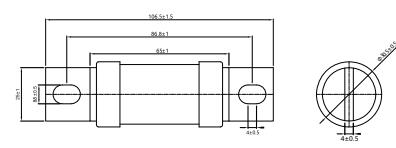
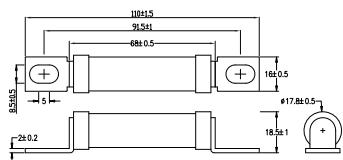
Table1 Note: (1)•=Certification obtained. UL File number:E485737

(2)AT8xxxx302 and AT8xxxx702 recommend mounting torque is 12±1.0Nm (M8);

(3)Temperature rise: AT8xxxx302 with 0.6In ≤45K; AT8xxxx702 with 0.5In ≤45K.

DIMENSIONS (mm)

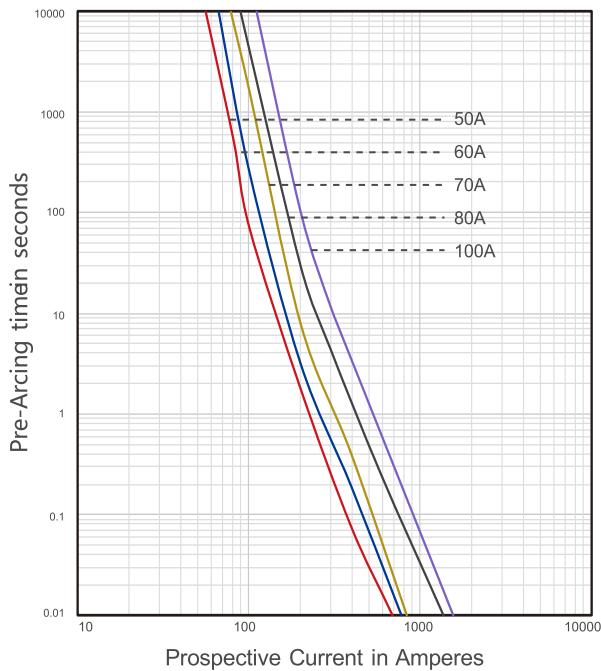
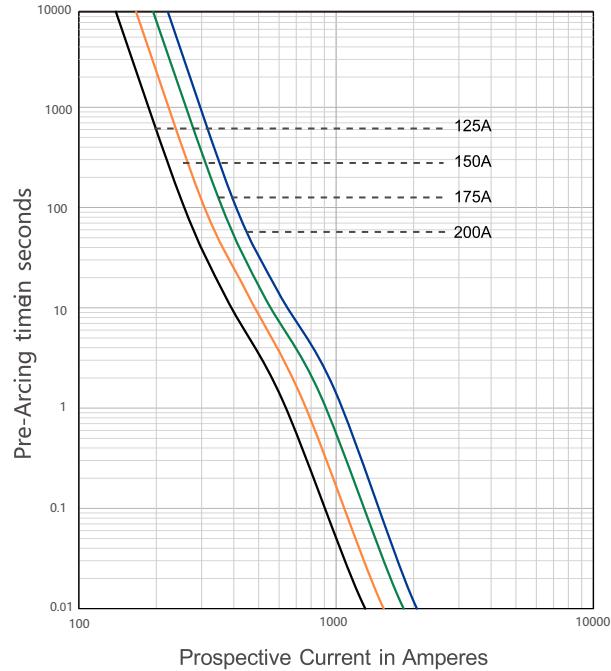
AT8xxxx302

AT8xxxx702


TIME VS CURRENT CHARACTERISTIC

Part Number	100 %	200 %	300 %	500 %
AT8xxxx302	>4h			
AT8xxxx702		1-300s	0.2-30S	0.1-10S

TIME CURRENT CURVE

AT8xxxx302

AT8xxxx702


EFX 1000 Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity		I ² t (A ² sec)		Watt Loss (W)
					UL **	Self-Certified	Pre-arcing	Total@1000Vdc	
74x22	EFX063Sa22	63A	063	1000 Vdc	-	4In~50kA	720	4360	2.6
	EFX080Sa22	80A	080	1000 Vdc	-	4In~50kA	1050	6710	3.2
	EFX100Sa22	100A	100	1000 Vdc	-	4In~50kA	1560	10500	3.9
	EFX125Sa22	125A	125	1000 Vdc	-	4In~50kA	3200	22600	4.5
	EFX160Sa22	160A	160	1000 Vdc	-	4In~50kA	5400	43200	5.7
	EFX175Sa22	175A	175	1000 Vdc	-	4In~50kA	6250	50000	6.9
74x36	EFX150Sa36	150A	150	1000 Vdc	-	4In~50kA	4630	23300	4.5
	EFX200Sa36	200A	200	1000 Vdc	-	4In~50kA	8300	43900	6.6
	EFX250Sa36	250A	250	1000 Vdc	-	4In~50kA	13300	75600	8.5
71x47	EFX200Sa43	200A	200	1000 Vdc	4In~50kA	-	5300	26800	7.9
	EFX250Sa43	250A	250	1000 Vdc	4In~50kA	-	9600	49980	10.3
	EFX300Sa43	300A	300	1000 Vdc	4In~50kA	-	13200	69300	12.7
	EFX350Sa43	350A	350	1000 Vdc	4In~50kA	-	21600	115000	14.5
	EFX400Sa43	400A	400	1000 Vdc	4In~50kA	-	28600	163000	17
	EFX450Sa43	450A	450	1000 Vdc	4In~50kA	-	38200	223000	19.5
	EFX500Sa43	500A	500	1000 Vdc	-	4In~50kA	49600	294000	21

Table1 Note: 1. ** -- UL File: E506668

2. EFXxxxSa22, EFXxxxSa43 temperature rise: 0.5In < 50K.

3. EFXxxxSa22 and EFXxxxSa36 recommended mounting torque is 12+/-1.0Nm (M8);

4. EFXxxxxa43 recommended mounting torque is 20+/-1Nm (M10).

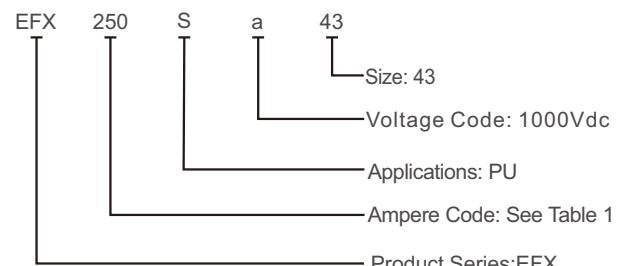
DESCRIPTION

Adler EFX series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made for the highest quality materials and tested to the highest standards. With rated currents from 63A to 500A with a breaking capacity of 50kA.

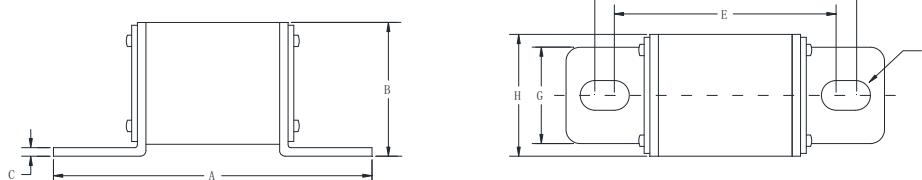
AGENCY INFORMATION

- Designed to JASO D622, UL 248-20, IEC 60269-4
- UL Recognized Component
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



DIMENSIONS(mm)

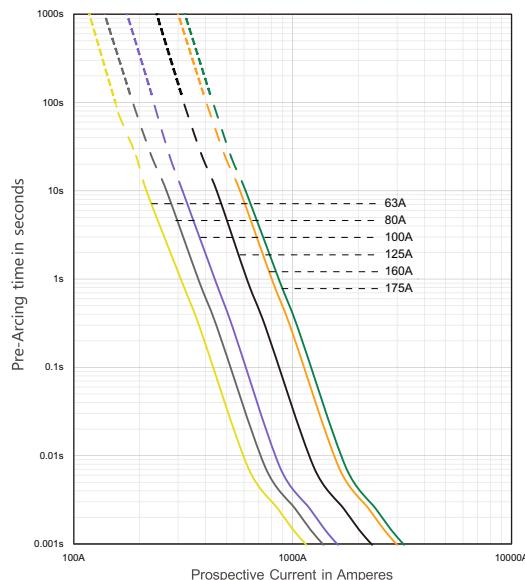


Part Number	A	B	C	D	E	F	G	H
EFXXXSa22	115±1.5	25±1.5/-0.5	2±0.1	100±1	87.5±1	Φ8.5±0.3	20±0.5	22+0.8/-0.5
EFXXXSa36	117±1.5	24±1	2±0.1	100.5±1	87.5±1	Φ8.5±0.5	32.5±0.5	36.3+1.2/-0.5
EFXXXSa43	126.5±1.5	48±0.8	3±0.15	106±1	89±1	Φ10.5±0.3	34.0±0.5	47.0±0.5

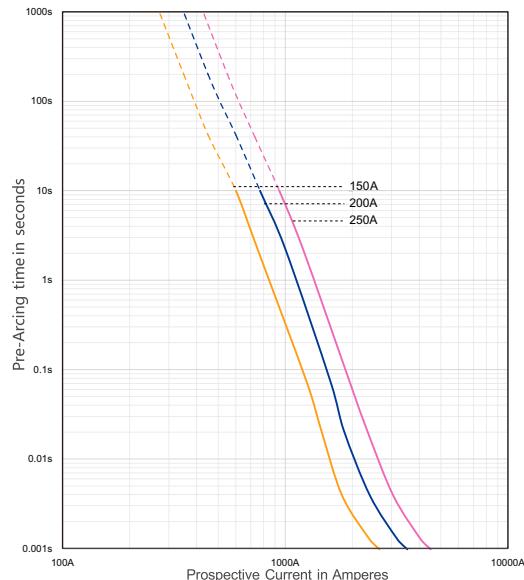
Table2

TIME CURRENT CURVE

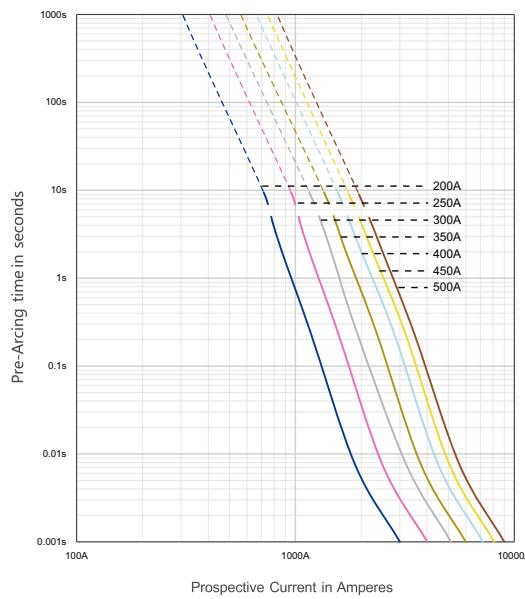
EFXXXSa22 63A-175A



EFXXXSa36 250A



EFXXXSa43 200-500A



ATX 1000 Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- Full coverage of battery module current
- Low costs
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Rated Voltage	Breaking Capacity		Pre-arcng I ² t (A ² s)	Clearing I ² t (A ² s)	Watt Loss (W)	In
				UL**	Self -Certified				
1	ATX3160SDC1	160A	1000 Vdc	-	50kA	2000	12100	45	
	ATX3200SDC1	200A	1000 Vdc	-	50kA	3950	23400	50	
	ATX3250SDC1	250A	1000 Vdc	-	50kA	9500	56000	60	
	ATX3315SDC1	315A	1000 Vdc	-	50kA	15000	90000	65	
	ATX3350SDC1	350A	1000 Vdc	-	50kA	21500	134000	70	
	ATX3400SDC1	400A	1000 Vdc	-	50kA	29500	175000	75	
	ATX3450SDC1	450A	1000 Vdc	-	50kA	43000	256000	80	
	ATX3500SDC1	500A	1000 Vdc	-	50kA	70000	342000	86	
	ATX3550SDC1	550A	1000 Vdc	-	50kA	96000	470000	95	
	ATX3630SDC1	630A	1000 Vdc	-	50kA	130000	660000	100	
2	ATX3250SDC2	250A	1000 Vdc	-	50kA	11500	68000	60	
	ATX3315SDC2	315A	1000 Vdc	-	50kA	19600	116000	65	
	ATX3350SDC2	350A	1000 Vdc	-	50kA	22000	126000	70	
	ATX3400SDC2	400A	1000 Vdc	-	50kA	31500	188000	75	
	ATX3450SDC2	450A	1000 Vdc	-	50kA	43500	258000	80	
	ATX3500SDC2	500A	1000 Vdc	-	50kA	70000	415000	86	
	ATX3550SDC2	550A	1000 Vdc	-	50kA	96000	478000	96	
	ATX3630SDC2	630A	1000 Vdc	-	50kA	129000	645000	99	
	ATX3700SDC2	700A	1000 Vdc	-	50kA	160000	790000	124	
	ATX3800SDC2	800A	1000 Vdc	-	50kA	245000	1250000	130	

Table1 Note: 1.Time constant: 2 ± 0.5ms

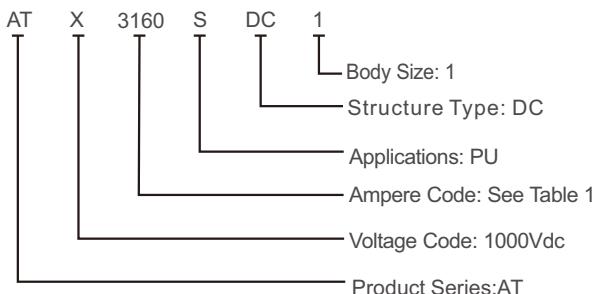
DESCRIPTION

Adler ATX series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 160A to 800A with a breaking capacity of 50kA.

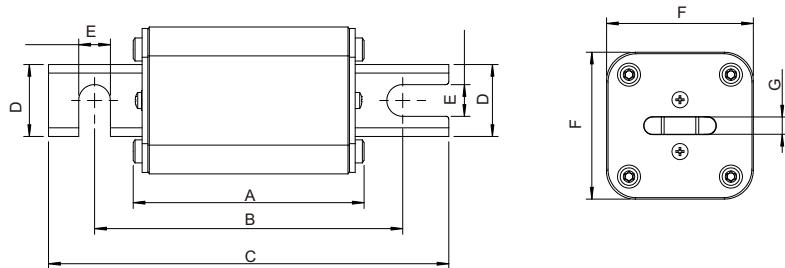
AGENCY INFORMATION

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

PART NUMBER SYSTEM



DIMENSIONS (mm)

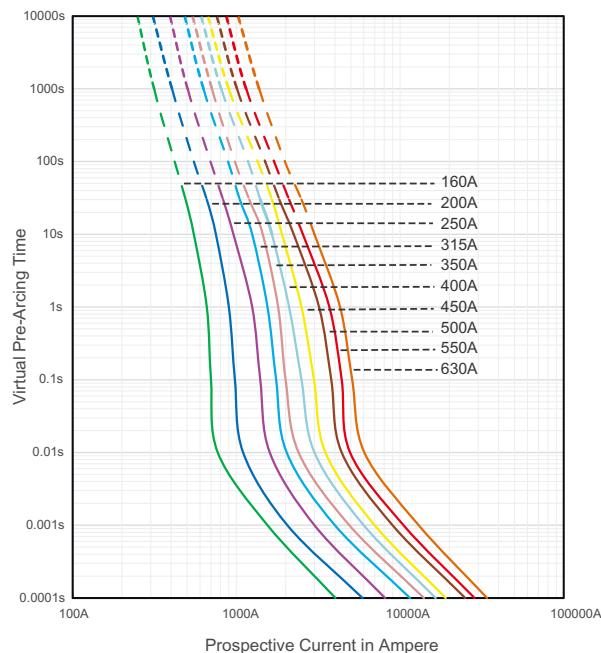


Size	A±1	B±2	C±3	D±1	E±0.5	F±1.5	G±0.5
1	80	107	139	25	11	51	6
2	80	107	139	32	11	59	6

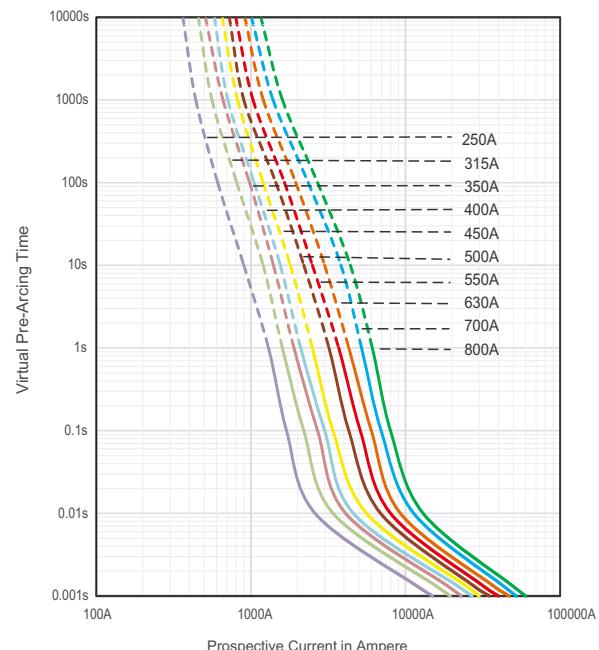
Table2

TIME CURRENT CURVE

ATXxxxxxDC1



ATXxxxxxDC2



ATX 1000 Vdc/800 Vdc ESS Fuse

RoHS



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- Full coverage of battery module current
- Low costs
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

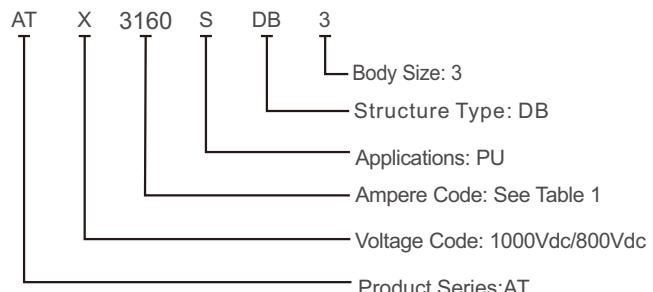
DESCRIPTION

Adler ATX series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 315A to 1400A with a breaking capacity of 50kA.

AGENCY INFORMATION

- Designed to IEC 60269, UL248
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM



ELECTRICAL SPECIFICATIONS

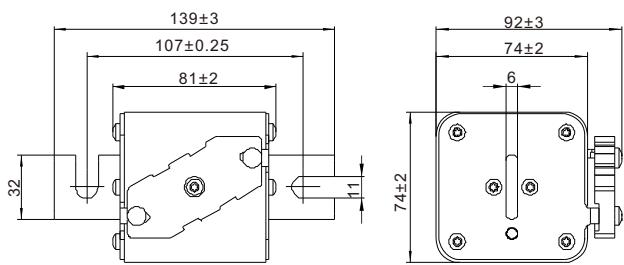
Size(mm)	Part Number		Rated Current	Rated Voltage	Breaking Capacity		Pre-arcng I ² t (A ² s)	Clearing I ² t (A ² s)	Watt Loss (W)
	Din	Flush			TUV	Self -Certified			
3	ATX3315SDB3	ATX3315SFL3	315A	1000 Vdc	-	50kA	9700	59500	85
	ATX3350SDB3	ATX3350SFL3	350A	1000 Vdc	-	50kA	14000	84500	90
	ATX3400SDB3	ATX3400SFL3	400A	1000 Vdc	-	50kA	20000	123000	95
	ATX3450SDB3	ATX3450SFL3	450A	1000 Vdc	-	50kA	32000	191000	100
	ATX3500SDB3	ATX3500SFL3	500A	1000 Vdc	-	50kA	40000	241000	105
	ATX3550SDB3	ATX3550SFL3	550A	1000 Vdc	-	50kA	56500	334000	110
	ATX3630SDB3	ATX3630SFL3	630A	1000 Vdc	-	50kA	84000	498000	115
	ATX3700SDB3	ATX3700SFL3	700A	1000 Vdc	-	50kA	115500	708000	120
	ATX3800SDB3	ATX3800SFL3	800A	1000 Vdc	-	50kA	206000	1226000	125
	ATX3900SDB3	ATX3900SFL3	900A	1000 Vdc	-	50kA	309000	1520000	130
	ATX4100SDB3	ATX4100SFL3	1000A	1000 Vdc	-	50kA	458000	2188000	135
	ATX4110SDB3	ATX4110SFL3	1100A	1000 Vdc	-	50kA	577000	2809000	140

Table1 Note: 1.* 800VDC

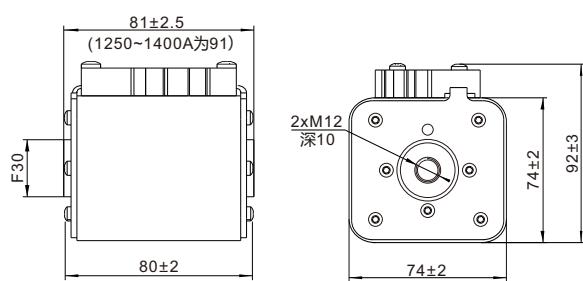
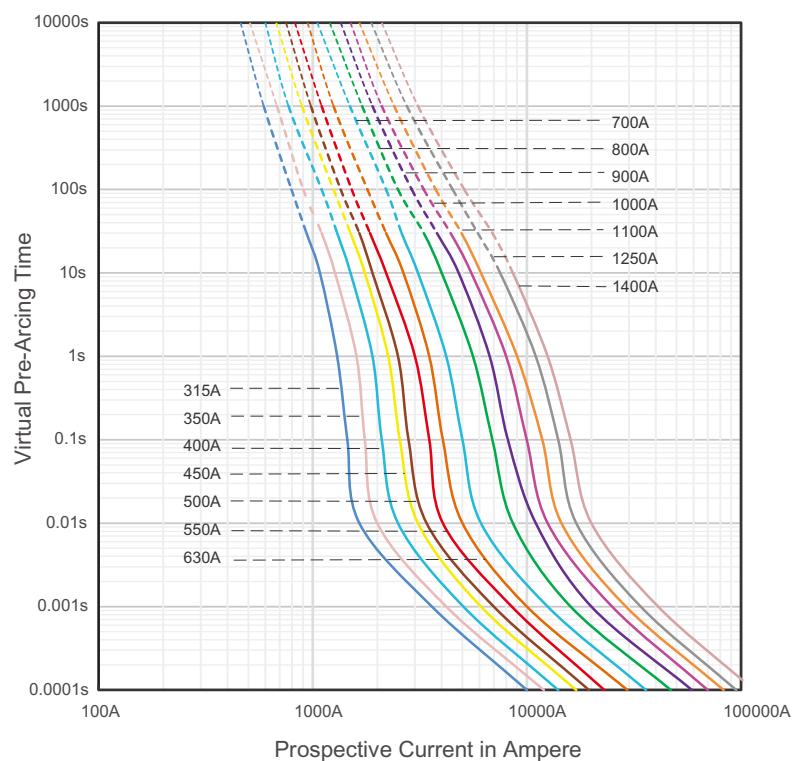
2.Time constant: 2 ± 0.5ms

DIMENSIONS (mm):

ATXxxxxSDB3:



ATXxxxxSFL3:


TIME CURRENT CURVE


EFZ 1500 Vdc ESS Fuse

RoHS



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 30kA
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

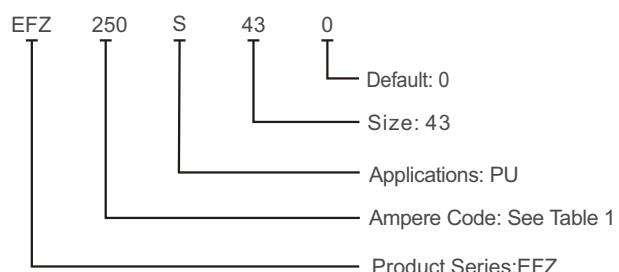
DESCRIPTION

Adler EFZ series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 100A to 300A with a breaking capacity of 30kA.

AGENCY INFORMATION

- Designed to UL 248-20
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBER SYSTEM

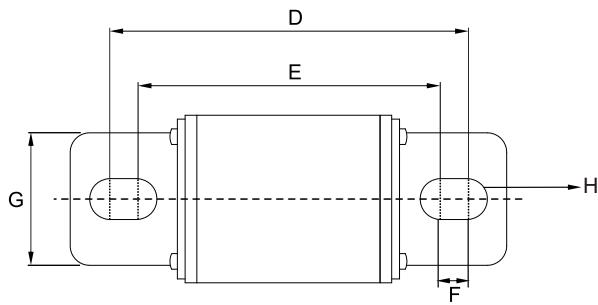
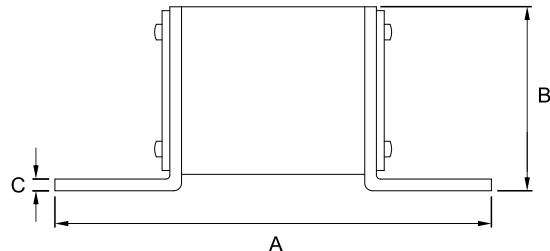


ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	I ² t (A ² sec)		1.0 In Dissipation (W)	
						Self-test	Pre-arcng		
84x43	EFZ310S430	100A	100	1500 Vdc	30 kA		1680	10700	32
	EFZ316S430	160 A	160				4500	29000	45
	EFZ320S430	200 A	200				75300	51000	53
	EFZ325S430	250 A	250				12400	86800	62
	EFZ330S430	300 A	300				18810	137500	72

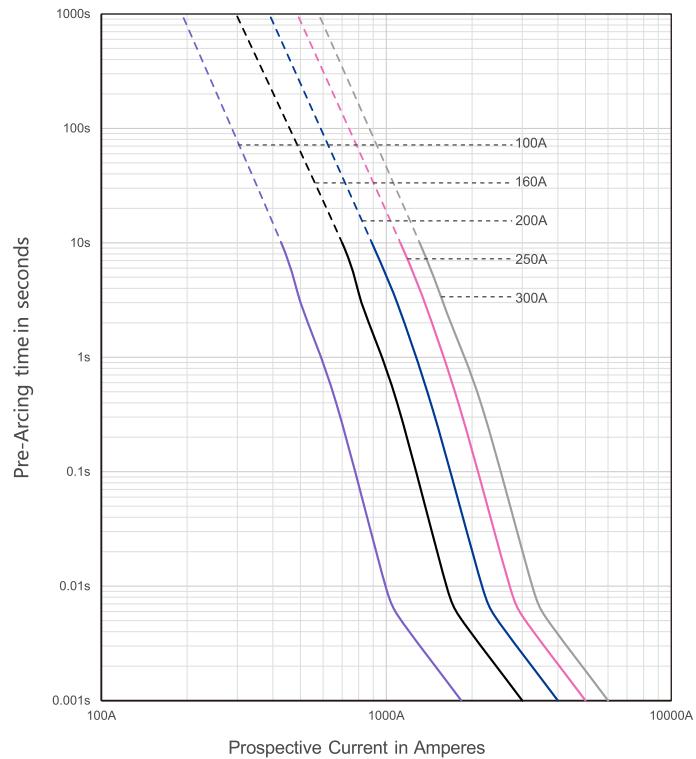
Table1 Note:(1).Temperature rise: 0.5In < 50K.

(2).Recommend mounting torque is 12+-1.0Nm (M8)

DIMENSIONS (mm)


Fuse Size	A±1.5	B±1.5	C±0.2	D±1.5	E±1.5	F±0.5	G±0.5	H±0.3
84x43	136	47.2	3	116	103	6.5	26	φ10.3

Table2

TIME CURRENT CURVE


A95 1500 Vdc ESS Fuse 24x65mm



FEATURES

- 1500 Vdc, 24x65 mm PU fuse link with glass-fiber body
- Rated Current: 35-100A
- Breaking Capacity: 30 kA @ 1500 Vdc
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PU applications
- BH500, BH501 holders for DIN rail mounting
- Customizable for special applications

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

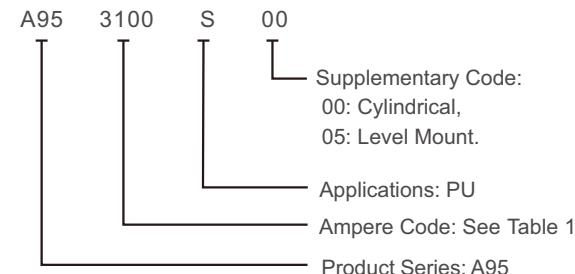
DESCRIPTION

Adler A95 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 35A to 100A with a breaking capacity of 30kA.

AGENCY INFORMATION

- Comply to: UL 248, IEC 60269
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



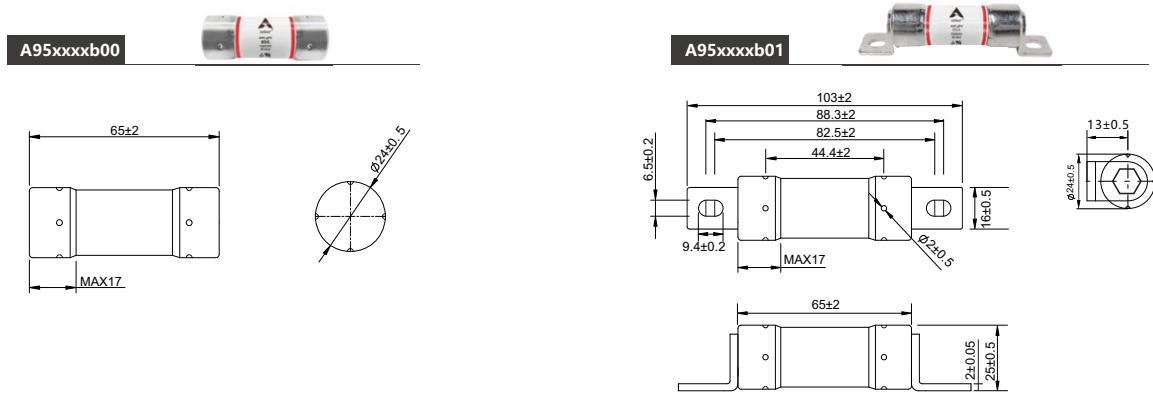
ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Breaking Capacity	I ² t (A ² s)		Dissipation (W)		Certifications	
Cartridge	Level Mount				Pre-Arcing	Total	0.8 ln	1.0 ln	UL	TUV
A952350S00	A952350S05	35 A	2350	30 kA@ 1500 Vdc	1600	5100	6	7.5	•	•
A952400S00	A952400S05	40 A	2400		3000	6500	6.6	8.2	•	•
A952450S00	A952450S05	45A	2450		4500	8500	6.8	8.5	•	•
A952500S00	A952500S05	50 A	2500		7000	14500	7.2	9	•	•
A952550S00	A952550S05	55 A	2550		8500	15500	8	10	•	•
A952600S00	A952600S05	60 A	2600		10500	19000	8.8	11	•	•
A952630S00	A952630S05	63 A	2630		11000	20000	9.0	11.2	•	•
A952650S00	A952650S05	65 A	2650		12000	22000	9.6	12	•	•
A952700S00	A952700S05	70 A	2700		16500	29000	10.4	13	•	•
A952800S00	A952800S05	80 A	2800		20000	33000	12.8	16	•	•
A952900S00	A952900S05	90 A	2900		25000	39000	13.6	17	•	•
A953100S00	A953100S05	100 A	3100		32000	90000	14.4	18	•	•

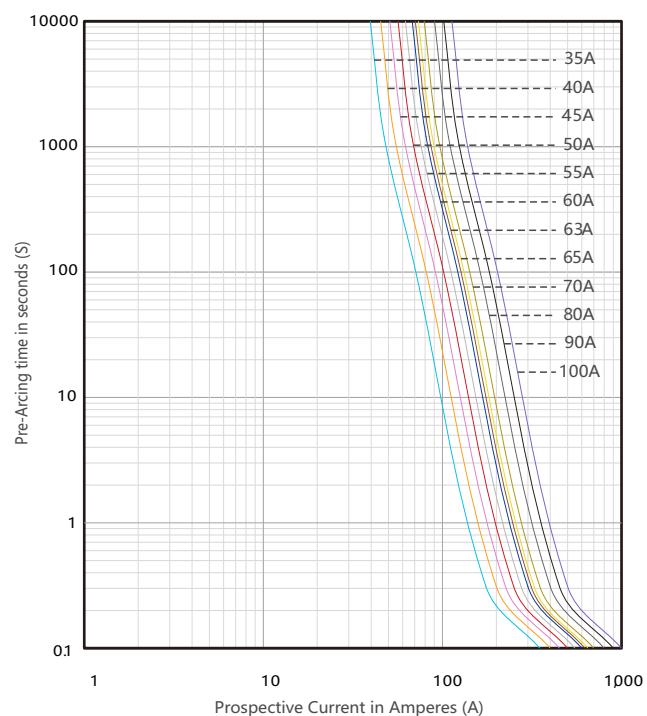
Table 1 Note: (1) Operating temperature range: -40°C - 90°C.

(2)•=Certification obtained.

DIMENSIONS (mm)



TIME CURRENT CURVE





PU

Energy storage system (ESS) Fuses

AX8 1500 Vdc ESS Fuse

RoHS CE



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% In overheat protection
- Full coverage of battery module current
- QR code marks on each fuse for traceability

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

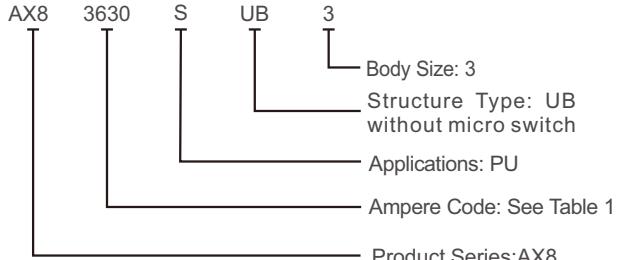
DESCRIPTION

Adler AX8 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 450A to 630A with a breaking capacity of 50kA.

AGENCY INFORMATION

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

PART NUMBERING SYSTEM

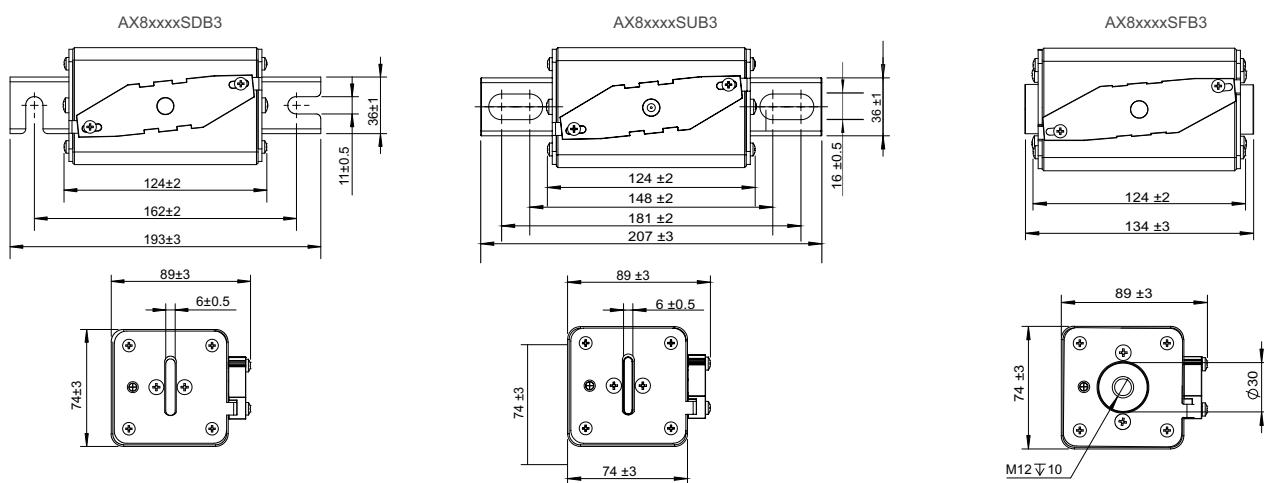


ELECTRICAL SPECIFICATIONS

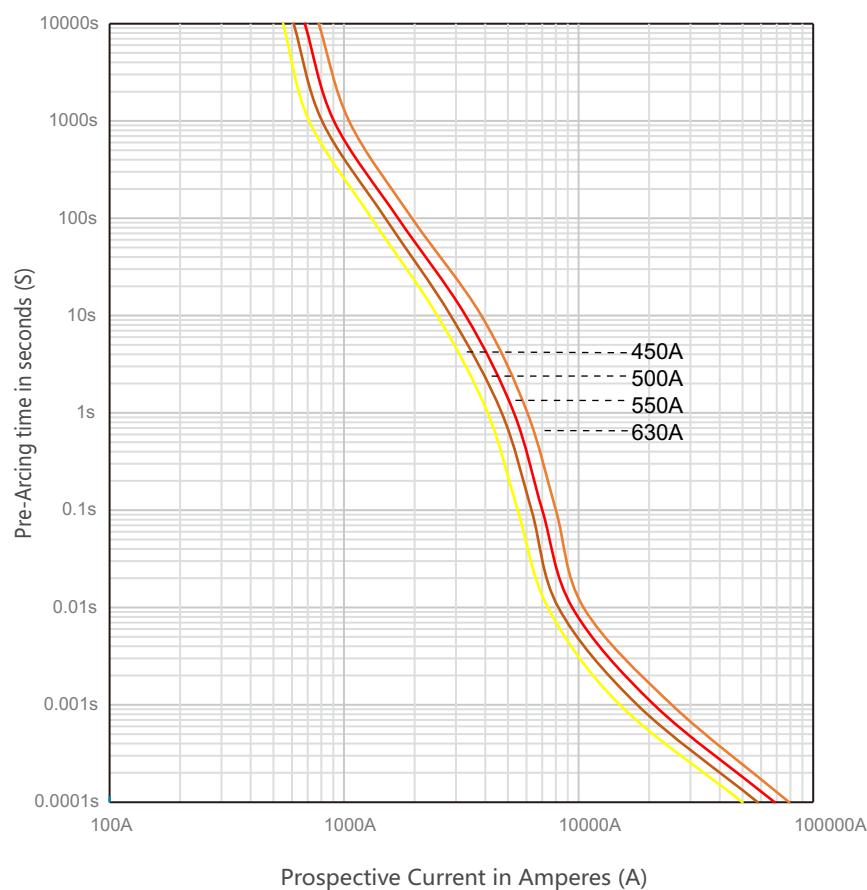
Size	Part number			Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Pre-arcng I ² t	Clearing I ² t	Watt Loss (W)	Certifications
	Din	Bolted	Flush								
3	AX83450SDB3	AX83450SUB3	AX83450SFB3	450A	3450	1500 Vdc	50kA	160000	481600	80	○
	AX83500SDB3	AX83500SUB3	AX83500SFB3	500A	3500	1500 Vdc	50kA	205000	617100	86	○
	AX83550SDB3	AX83550SUB3	AX83550SFB3	550A	3550	1500 Vdc	50kA	268000	806600	94	○
	AX83630SDB3	AX83630SUB3	AX83630SFB3	630A	3630	1500 Vdc	50kA	375000	1132500	100	○

Table1 Note:(1)Time constant: 1~3ms
(2)○ = TUV certification in process

DIMENSIONS (mm)



TIME CURRENT CURVE



AHE 2# 1500 Vdc ESS Fuse



DESCRIPTION

Adler AHE2# ESS series power fuses are specially engineered and tested to provide excellent protection performance in Industrial ESS and Power Distribution Protection. With currents from 200A to 800A with a breaking capacity of 250kA.

FEATURES

- Rated Voltage: 1500 Vdc
- Amperage Rating: 160A-800A
- Breaking Capacity: 250kA
- Time Constant: 3 ~ 5ms
- Class Type: aR
- Strong current limiting capacity
- AHE series PN in this datasheet is without microswitch
- Optional microswitch available PN: MS0003

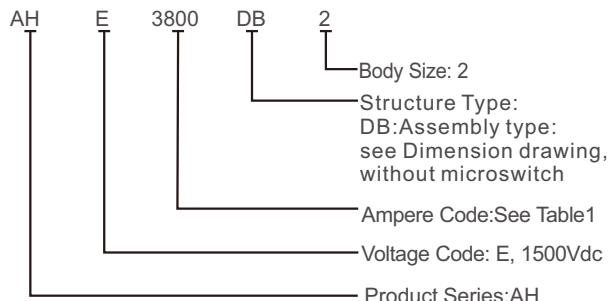
APPLICATIONS

- Industrial ESS and BESS protection
- Power Distribution Protection

AGENCY INFORMATION

- Ref. to IEC 60269-1 / IEC 60269-4
- Approval: UL & TUV
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



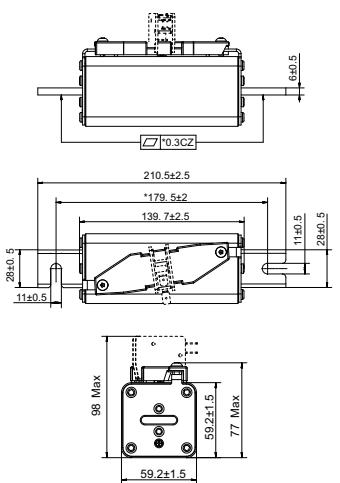
ELECTRICAL SPECIFICATIONS

Size	Part number					Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	I ² t (A ² s)		Power Loss / W_100% Rated	
	Din	Bolted	Flush	Customize						Pre-Arcing	Total		
ESS 2#	AHE3160DB2	AHE3160UB2	AHE3160FL2	AHE160CUB2	AHE0160UB2	AHE160CDB2	3160	160A	1500Vdc	250kA	4850	12150	81.0
	AHE3200DB2	AHE3200UB2	AHE3200FL2	AHE200CUB2	AHE0200UB2	AHE200CDB2	3200	200A	1500Vdc	250kA	12900	32508	90.0
	AHE3250DB2	AHE3250UB2	AHE3250FL2	AHE250CUB2	AHE0250UB2	AHE250CDB2	3250	250A	1500Vdc	250kA	20667	52702	113.0
	AHE3280DB2	AHE3280UB2	AHE3280FL2	AHE280CUB2	AHE0280UB2	AHE280CDB2	3280	280A	1500Vdc	250kA	24704	63737	125.6
	AHE3315DB2	AHE3315UB2	AHE3315FL2	AHE315CUB2	AHE0315UB2	AHE315CDB2	3315	315A	1500Vdc	250kA	34406	89799	133.8
	AHE3350DB2	AHE3350UB2	AHE3350FL2	AHE350CUB2	AHE0350UB2	AHE350CDB2	3350	350A	1500Vdc	250kA	45240	119433	143.0
	AHE3400DB2	AHE3400UB2	AHE3400FL2	AHE400CUB2	AHE0400UB2	AHE400CDB2	3400	400A	1500Vdc	250kA	64361	171844	159.3
	AHE3450DB2	AHE3450UB2	AHE3450FL2	AHE450CUB2	AHE0450UB2	AHE450CDB2	3450	450A	1500Vdc	250kA	85836	231757	168.9
	AHE3500DB2	AHE3500UB2	AHE3500FL2	AHE500CUB2	AHE0500UB2	AHE500CDB2	3500	500A	1500Vdc	250kA	109226	298187	183.2
	AHE3550DB2	AHE3550UB2	AHE3550FL2	AHE550CUB2	AHE0550UB2	AHE550CDB2	3550	550A	1500Vdc	250kA	134094	370099	204.4
	AHE3630DB2	AHE3630UB2	AHE3630FL2	AHE630CUB2	AHE0630UB2	AHE630CDB2	3630	630A	1500Vdc	250kA	194817	543539	213.2
	AHE3700DB2	AHE3700UB2	AHE3700FL2	AHE700CUB2	AHE0700UB2	AHE700CDB2	3700	700A	1500Vdc	250kA	263007	741680	236.5
	AHE3800DB2	AHE3800UB2	AHE3800FL2	AHE800CUB2	AHE0800UB2	AHE800CDB2	3800	800A	1500Vdc	250kA	389471	110993	253.4

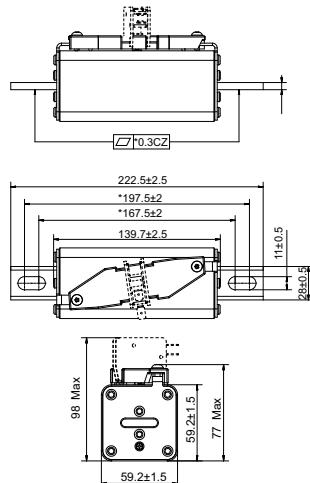
Table1

DIMENSIONS (mm)

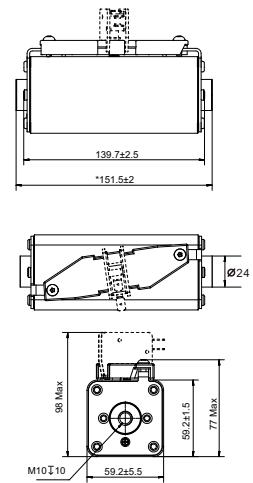
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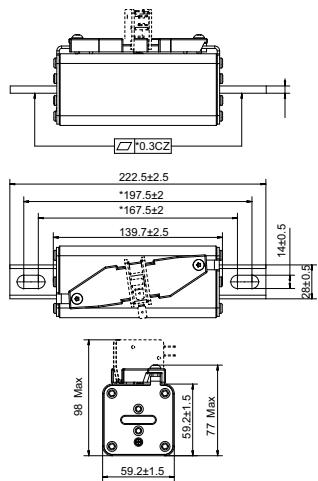
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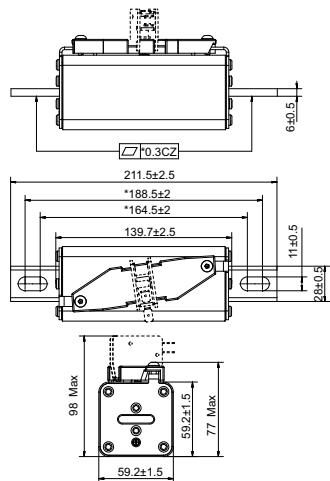
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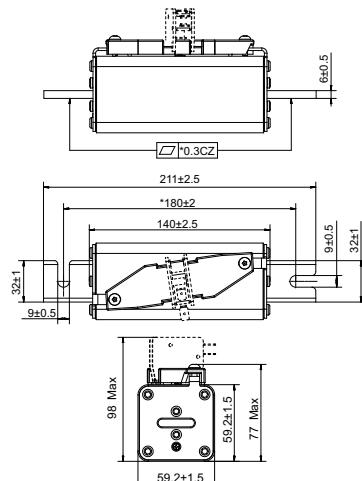
AHE800CUB2:



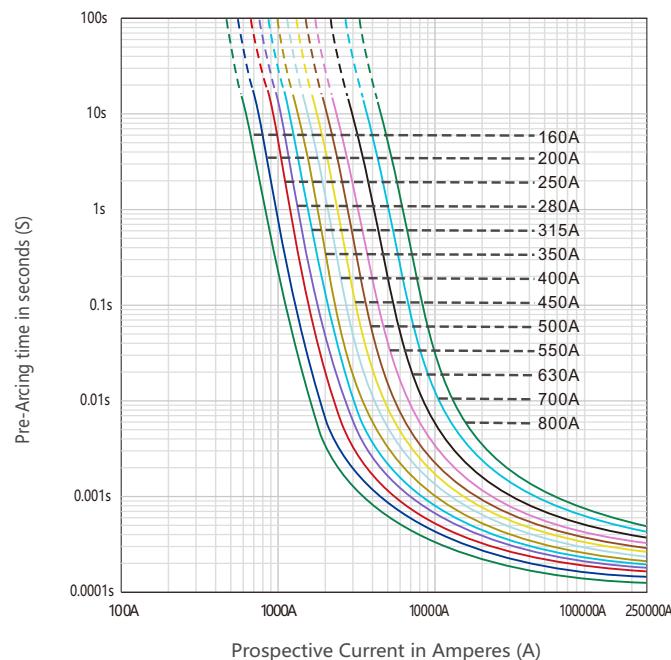
AHE800UB2:



AHE800CDB2:



TIME CURRENT CURVE



AHE 3# 1500Vdc ESS Fuse



FEATURES

- Rated Voltage: 1500 Vdc
- Amperage Rating: 315A-1200A
- Breaking Capacity: 250kA
- Time Constant: 3~5ms
- Class Type: aR
- Strong current limiting capacity
- AHE series PN in this datasheet is without microswitch
- Optional microswitch available PN: MS0003

APPLICATIONS

- Industrial ESS and BESS protection
- Power Distribution Protection

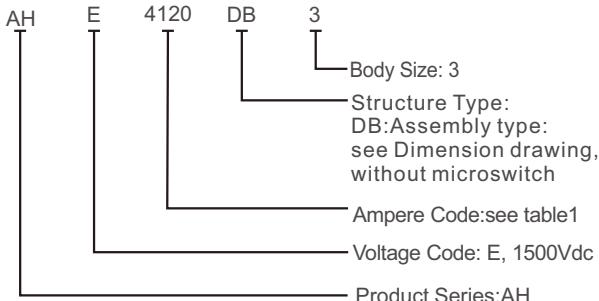
DESCRIPTION

Adler AHE3# ESS series power fuses are specially engineered and tested to provide excellent protection performance in Industrial ESS and Power Distribution Protection. With currents from 315A to 1200A with a breaking capacity of 250kA.

AGENCY INFORMATION

- Ref. to IEC 60269-1 / IEC 60269-4
- Approval: UL & TUV
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



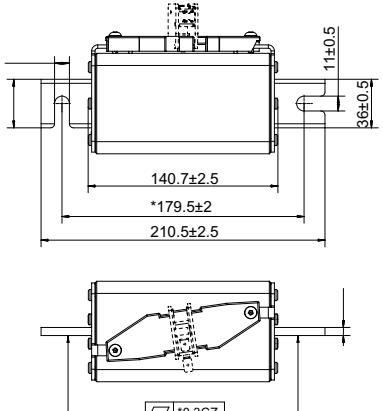
ELECTRICAL SPECIFICATIONS

Size	Part number				Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	I ² t (A ² s)		Power Loss / W_100% Rated
	Din	Bolted	Flush	Customize					Pre-Arcing	Total	
ESS 2#	AHE3315DB3	AHE3315UB3	AHE3315FL3	AHE0315CDB3	3315	315A	1500Vdc	250kA	21132	76076	129.6
	AHE3350DB3	AHE3350UB3	AHE3350FL3	AHE0350CDB3	3350	350A	1500Vdc	250kA	29035	103654	141.0
	AHE3400DB3	AHE3400UB3	AHE3400FL3	AHE0400CDB3	3400	400A	1500Vdc	250kA	38277	134736	162.7
	AHE3450DB3	AHE3450UB3	AHE3450FL3	AHE0450CDB3	3450	450A	1500Vdc	250kA	54477	189034	178.3
	AHE3500DB3	AHE3500UB3	AHE3500FL3	AHE0500CDB3	3500	500A	1500Vdc	250kA	73708	254293	194.1
	AHE3550DB3	AHE3550UB3	AHE3550FL3	AHE0550CDB3	3550	550A	1500Vdc	250kA	92243	310858	210.7
	AHE3630DB3	AHE3630UB3	AHE3630FL3	AHE0630CDB3	3630	630A	1500Vdc	250kA	13040	429029	235.9
	AHE3700DB3	AHE3700UB3	AHE3700FL3	AHE0700CDB3	3700	700A	1500Vdc	250kA	180848	582330	256.8
	AHE3800DB3	AHE3800UB3	AHE3800FL3	AHE0800CDB3	3800	800A	1500Vdc	250kA	280489	876249	268.0
	AHE3900DB3	AHE3900UB3	AHE3900FL3	AHE0900CDB3	3900	900A	1500Vdc	250kA	404951	1222952	287.8
	AHE4100DB3	AHE4100UB3	AHE4100FL3	AHE1000CDB3	4100	1000A	1500Vdc	250kA	544267	1589259	338.2
	AHE4110DB3	AHE4110UB3	AHE4110FL3	AHE1100CDB3	4110	1100A	1500Vdc	250kA	747801	2108800	347.6
	AHE4120DB3	AHE4120UB3	AHE4120FL3	AHE1200CDB3	4120	1200A	1500Vdc	250kA	1011651	2751692	359.4

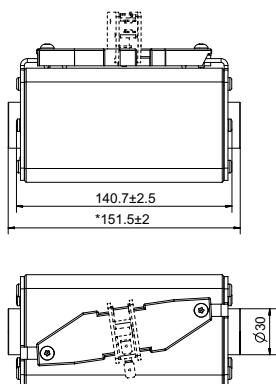
Table1

DIMENSIONS (mm)

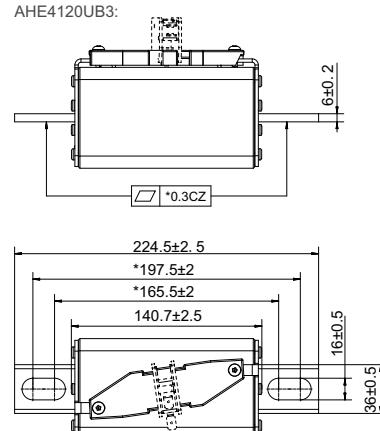
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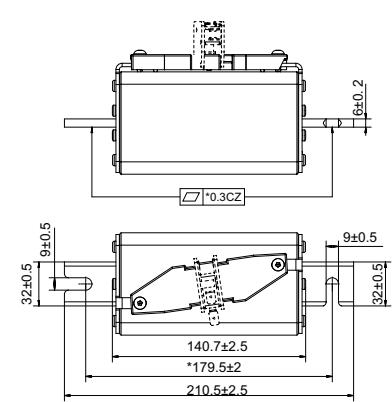
AHE4120FL3:



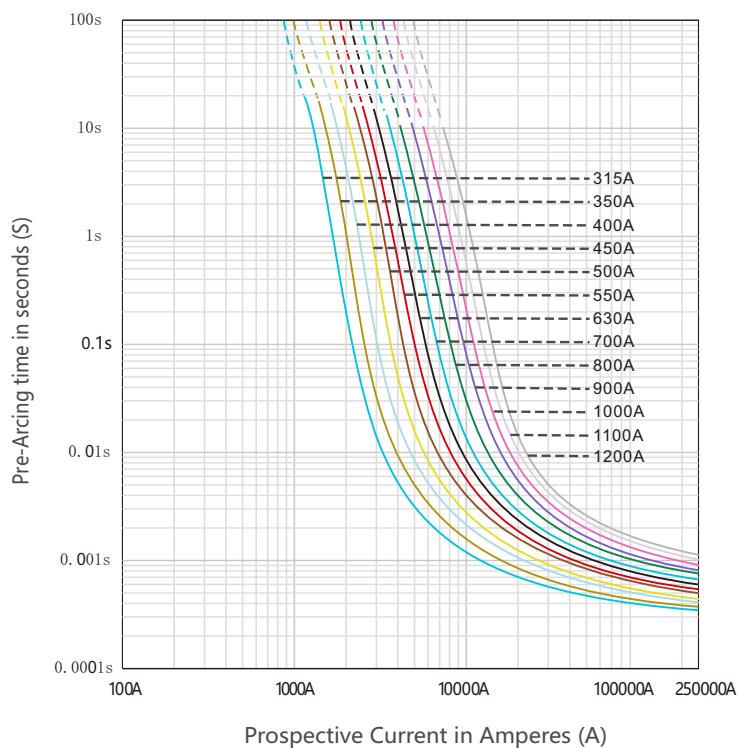
AHE4120UB3:



AHE1200CDB3:



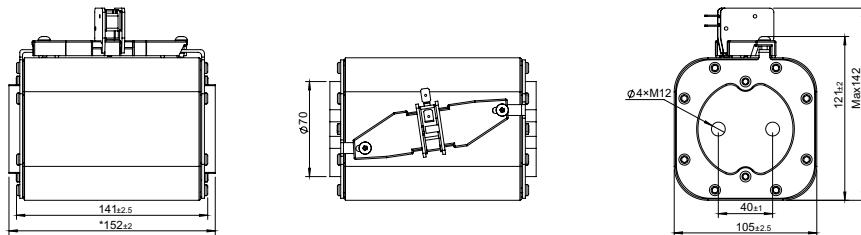
TIME CURRENT CURVE



AHE 4# 1500Vdc ESS Fuse


Coming Soon
FEATURES:

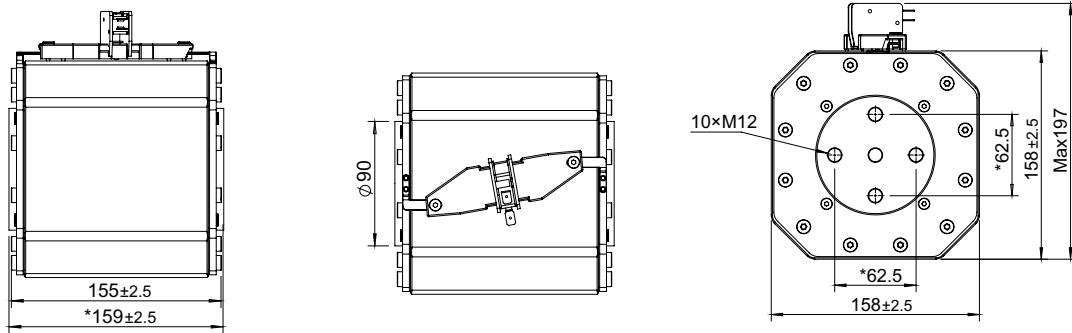
Rated Voltage: 1500 Vdc
Amperage Rating: 1000A-1800A
Breaking Capacity: 250kA
Class Type: aR

DIMENSIONS (mm)


AHE 5# 1500Vdc ESS Fuse


Coming Soon
FEATURES:

Rated Voltage: 1500 Vdc
Amperage Rating: 2000A-3000A
Breaking Capacity: 250kA
Class Type: aR

DIMENSIONS (mm)




PU

Energy storage system (ESS) Fuses

AXE 1500Vdc ESS Fuse



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- High Breaking Capacity to 50kA
- Time Constant: 1~3ms
- Class Type: gR
- AXE series PN in this datasheet is without microswitch
Optional microswitch PN: MS0003

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

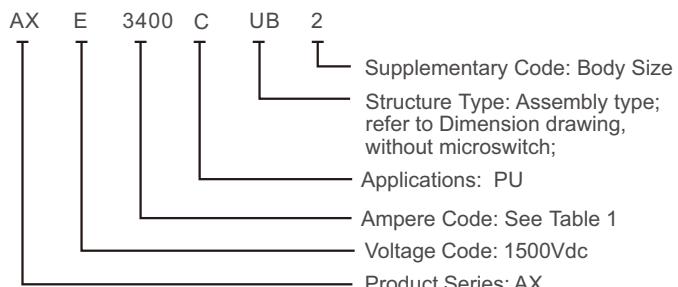
DESCRIPTION

Adler AXE series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 125A to 400A with a breaking capacity of 50kA.

AGENCY INFORMATION

- Ref. standard: IEC 60269 / GB 13539
- UL Certification
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

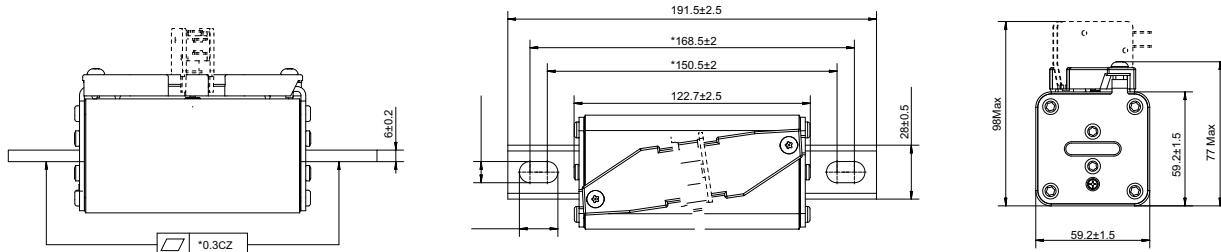
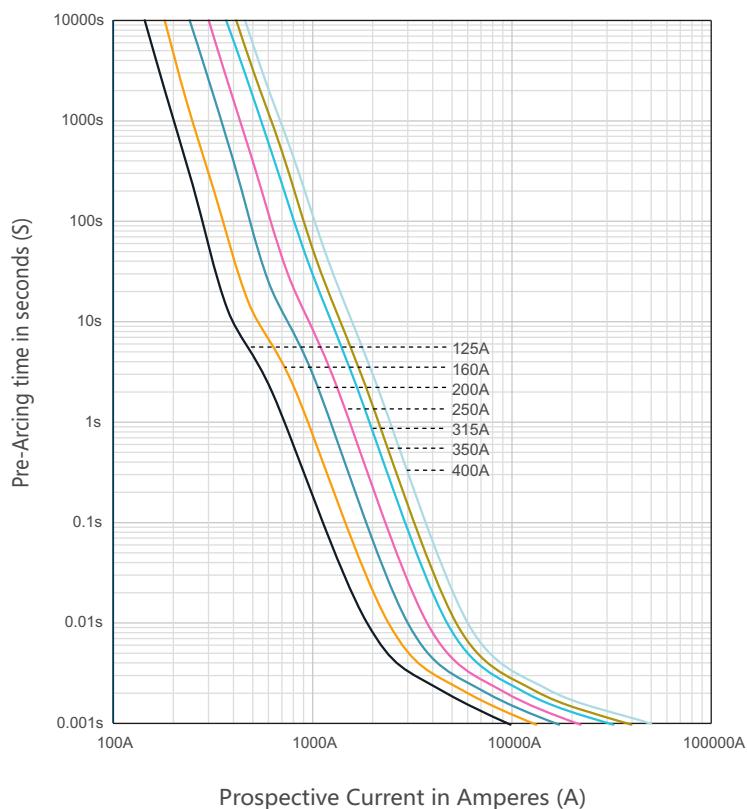
PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

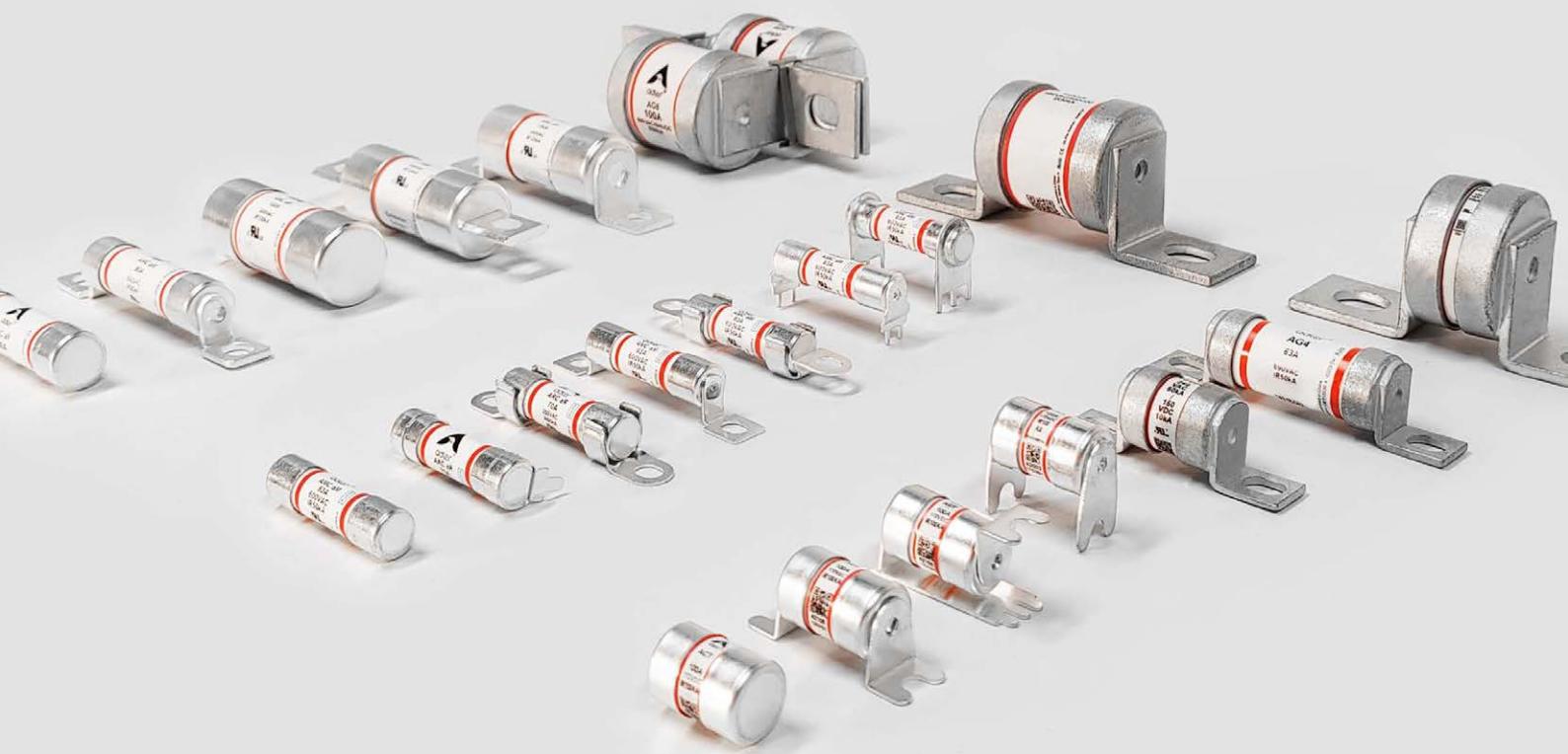
Case Size	Part Number	Rated Current	Ampere Code	Rated Voltage	I ² t(A ² S)		
					Self-Certified	Pre-arcng	Total
AXE 2#	AXE3125CUB2	125A	3125	1500 Vdc	50kA	5400	38900
	AXE3160CUB2	160A	3160	1500 Vdc	50kA	7600	54500
	AXE3200CUB2	200A	3200	1500 Vdc	50kA	9900	70900
	AXE3250CUB2	250A	3250	1500 Vdc	50kA	17600	126000
	AXE3315CUB2	315A	3315	1500 Vdc	50kA	31300	224100
	AXE3350CUB2	350A	3350	1500 Vdc	50kA	44200	316000
	AXE3400CUB2	400A	3400	1500 Vdc	50kA	64500	500000

Table1

DIMENSIONS (mm)**TIME CURRENT CURVE**

PU

Semiconductor Fuses



ACT 170 Vdc Semiconductor Fuse 14x22 mm



FEATURES

- Reliable clearing of DC fault currents
- Current-limiting
- High breaking capacity to 100kA
- Ultra-compact size and power density
- Multiple mounting configurations — cartridge, PCB Mount, Level Mount, Vertical Mount.
- QR code marks on each fuse for traceability

APPLICATIONS

- DC Power Distribution Protection
- Telecom Protection

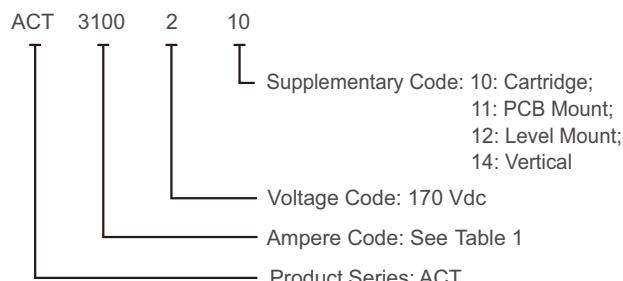
DESCRIPTION

Adler ACT series fuses are engineered and manufactured for use in Telecom DC power distribution systems, made from the highest quality materials and tested to the highest standards. With rated currents from 1A to 100A with a breaking capacity of 100kA.

AGENCY INFORMATION

- Designed to UL248
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

Part number				Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Watt Loss(W)	Certifications
Cartridge	PCB Mount	Level Mount	Vertical Moun					1.0 In	UL
ACT1100210	ACT1100211	ACT1100212	ACT1100214	1A	1100	170Vdc	100kA	0.10	○
ACT1200210	ACT1200211	ACT1200212	ACT1200214	2A	1200	170Vdc	100kA	0.20	○
ACT1200210	ACT1300211	ACT1300212	ACT1300214	3A	1300	170Vdc	100kA	0.40	○
ACT1400210	ACT1400211	ACT1400212	ACT1400214	4A	1400	170Vdc	100kA	0.50	○
ACT1500210	ACT1500211	ACT1500212	ACT1500214	5A	1500	170Vdc	100kA	0.60	○
ACT1600210	ACT1600211	ACT1600212	ACT1600214	6A	1600	170Vdc	100kA	0.70	○
ACT1800210	ACT1800211	ACT1800212	ACT1800214	8A	1800	170Vdc	100kA	0.80	●
ACT2100210	ACT2100211	ACT2100212	ACT2100214	10A	2100	170Vdc	100kA	1.20	●
ACT2120210	ACT2120211	ACT2120212	ACT2120214	12A	2120	170Vdc	100kA	1.35	●
ACT2150210	ACT2150211	ACT2150212	ACT2150214	15A	2150	170Vdc	100kA	1.75	●
ACT2160210	ACT2160211	ACT2160212	ACT2160214	16A	2160	170Vdc	100kA	1.85	●
ACT2200210	ACT2200211	ACT2200212	ACT2200214	20A	2200	170Vdc	100kA	2.50	●
ACT2250210	ACT2250211	ACT2250212	ACT2250214	25A	2250	170Vdc	100kA	3.0	●
ACT2300210	ACT2300211	ACT2300212	ACT2300214	30A	2300	170Vdc	100kA	3.5	●

Table 1 Note:1. ●=Certification obtained, ○ = certification in process.

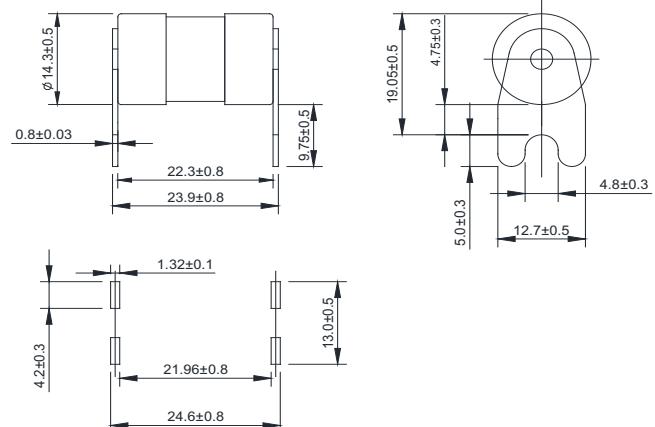
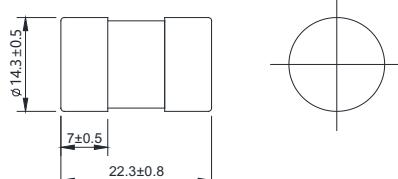
Part number				Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Watt Loss(W)	Certifications
Cartridge	PCB Mount	Level Mount	Vertical Moun					1.0 In	UL
ACT2320210	ACT2320211	ACT2320212	ACT2320214	32A	2320	170Vdc	100kA	3.7	●
ACT2350210	ACT2350211	ACT2350212	ACT2350214	35A	2350	170Vdc	100kA	4.0	●
ACT2400210	ACT2400211	ACT2400212	ACT2400214	40A	2400	170Vdc	100kA	4.5	●
ACT2450210	ACT2450211	ACT2450212	ACT2450214	45A	2450	170Vdc	100kA	5.0	●
ACT2500210	ACT2500211	ACT2500212	ACT2500214	50A	2500	170Vdc	100kA	5.5	●
ACT2600210	ACT2600211	ACT2600212	ACT2600214	60A	2600	170Vdc	100kA	6.0	●
ACT2700210	ACT2700211	ACT2700212	ACT2700214	70A	2700	170Vdc	100kA	7.0	●
ACT2800210	ACT2800211	ACT2800212	ACT2800214	80A	2800	170Vdc	100kA	10.0	●
ACT2900210	ACT2900211	ACT2900212	ACT2900214	90A	2900	170Vdc	100kA	11.0	●
ACT3100210	ACT3100211	ACT3100212	ACT3100214	100A	3100	170Vdc	100kA	12.0	●

Table 1 Note:1. ●=Certification obtained,○ = certification in process.

DIMENSIONS(mm)



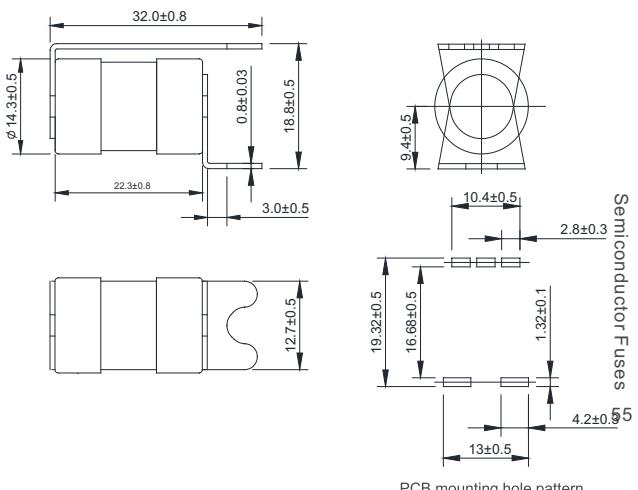
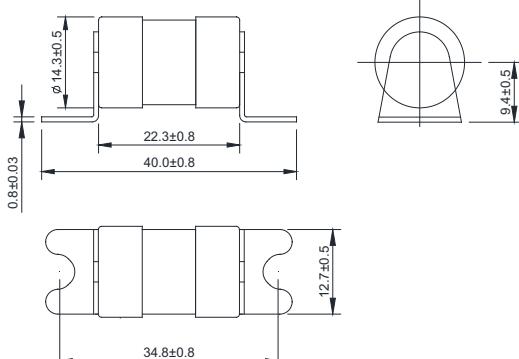
ACTxxxx211



PCB mounting hole pattern



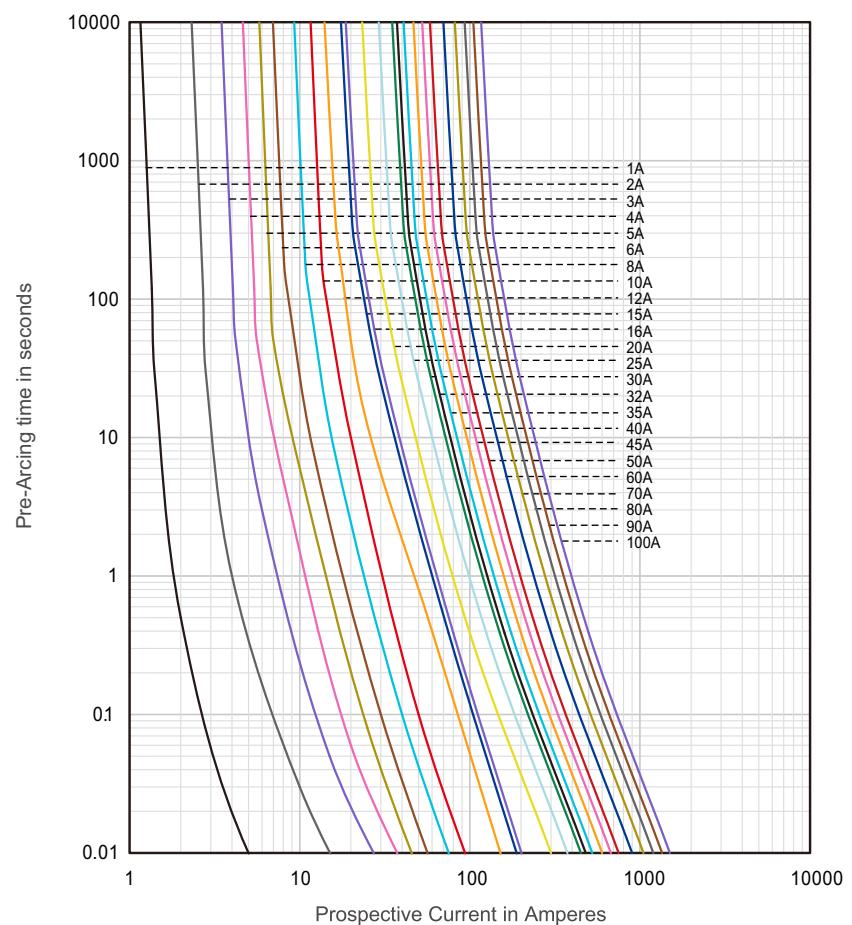
ACTxxxx214



Semiconductor Fuses

PCB mounting hole pattern

TIME CURRENT CURVE



AG0&AG2 240 Vac/150 Vdc Semiconductor Fuse



FEATURES

- 240 Vac / 150 Vdc high speed semiconductor fuse
- Rated Current: 25-180 A (AG0)
250-400 A (AG2)
- Breaking Capacity: 50 kA at 240 Vac
10 kA at 150 Vdc

APPLICATIONS

- ESS and BESS circuit protection
- Lighting Protection

ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Current	Rated Voltage	Breaking Capacity UL**	Pre-arcng I ² t	Melting I ² t 415 V	Clearing I ² t	Watt Loss (W)
						(A ² s)	(A ² s)	(A ² s)	In
56x17	AG02250200	25 A	2250	240 Vac / 150 Vdc	50 kA@240 Vac / 10 kA@150 Vdc	18	120	250	4.2
	AG02400200	40 A	2400			75	430	900	6.1
	AG02500200	50 A	2500			100	500	1400	7.1
	AG02630200	63 A	2630			180	1100	2200	9
	AG02800200	80 A	2800			300	1900	3800	10.2
	AG03100200	100 A	3100			600	3800	7500	10.3
	AG03125200	125 A	3125			600	3800	7500	16
	AG03160200	160 A	3160			1100	7000	16000	20
	AG03180200	180 A	3180			1600	12000	29000	21.1
92x38	AG23250200	250 A	3250	240 Vac / 150 Vdc	50 kA@240 Vac / 10 kA@150 Vdc	3200	20000	40000	28.2
	AG23315200	315 A	3315			6000	35000	75000	35.4
	AG23400200	400 A	3400			14000	71000	170000	42.3

Table 1 Note:(1)** --- UL File: E485737

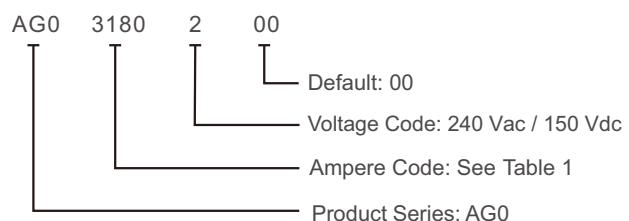
DESCRIPTION

Adler AG0 and AG2 series semiconductor fuses are specially engineered and tested to provide best-in-class protection performance in industrial, utility, street lighting and domestic, up to 240 Vac / 150 Vdc in ratings from 25A to 400A.

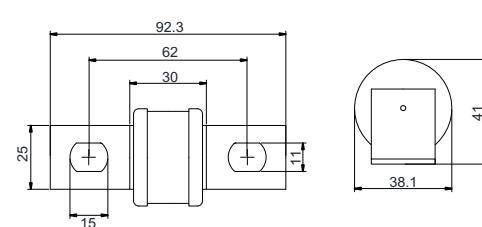
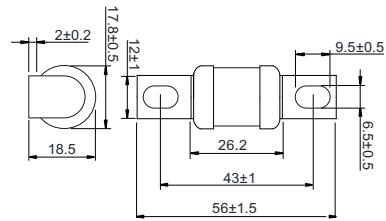
AGENCY INFORMATION

- Designed to IEC 60269-4, GB 13539-4, BS88-4
- UL certified
- RoHS and REACH Compliant

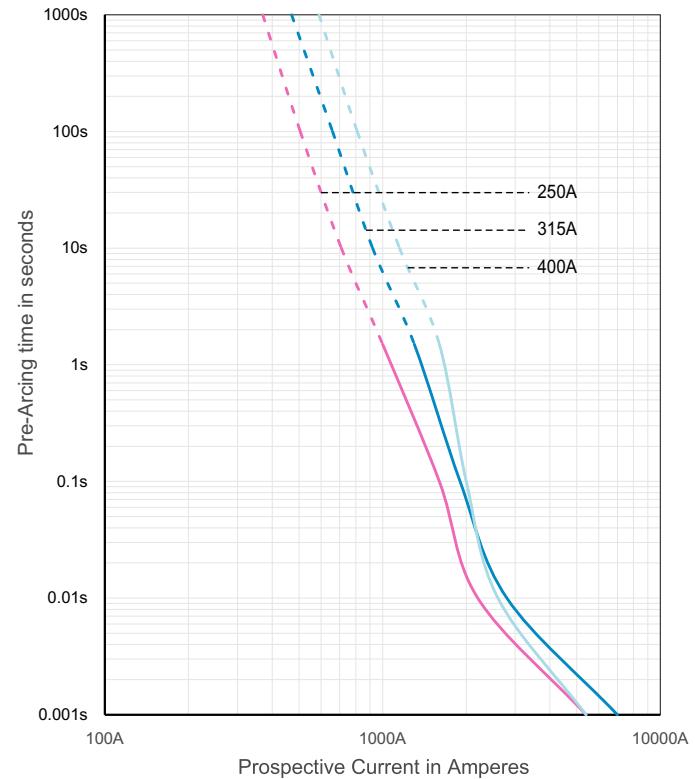
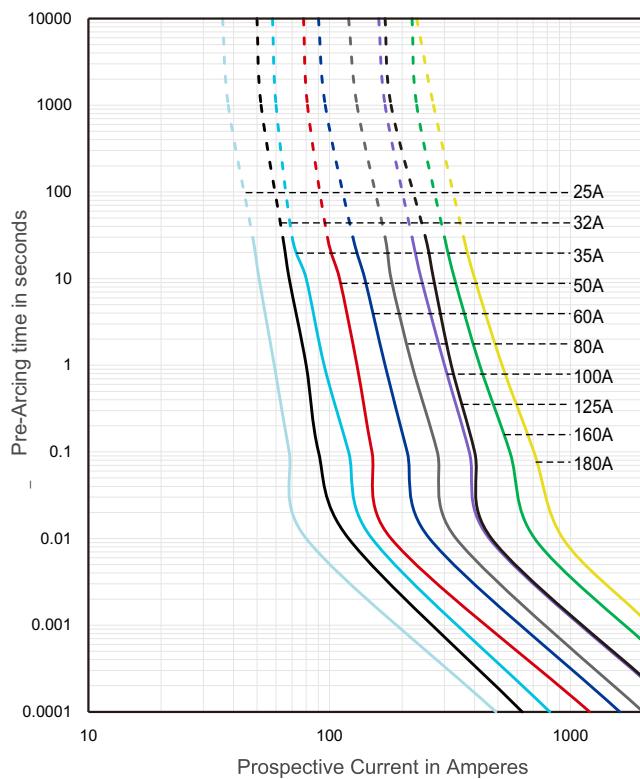
PART NUMBERING SYSTEM



DIMENSIONS(mm)



TIME CURRENT CURVE





PU

Semiconductor Fuses

ARC 600Vac Semiconductor Fuse 10x38mm



FEATURES

- Fast acting (aR) fuses are used for the protection of cables against short-circuits, and for protection of motors
- General purpose fuse-links for the protection of semiconductor devices

APPLICATIONS

- Industrial ESS and BESS protection
- Power Distribution Protection

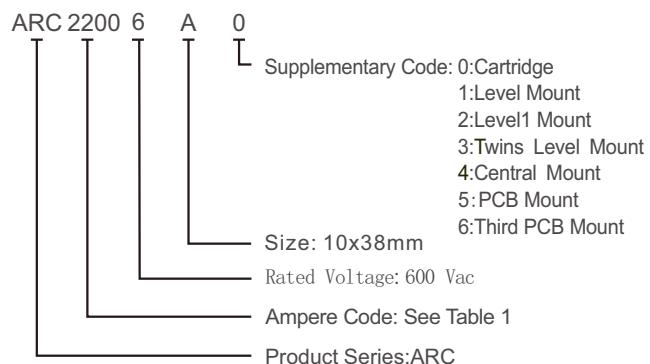
DESCRIPTION

Adler ARC series semiconductor fuses are engineered and manufactured for use in Industrial and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 0.5A to 63A with a breaking capacity of 50-100kA.

AGENCY INFORMATION

- Ref. to UL 248-13, IEC 60269-4, GBT 13539.4
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

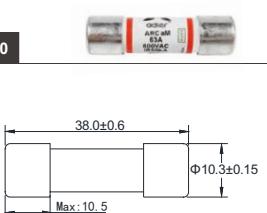
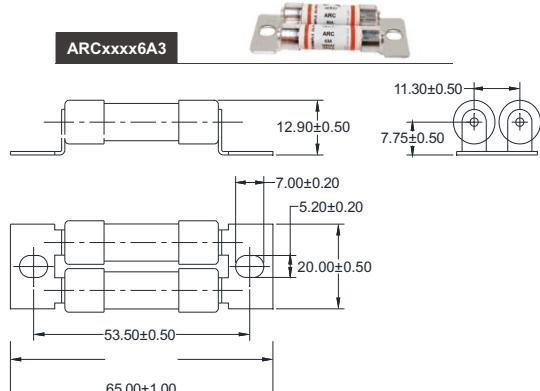
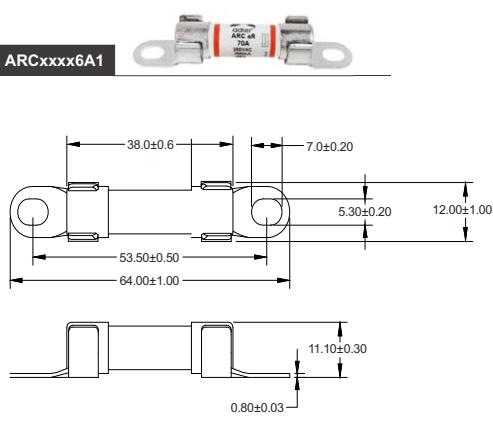
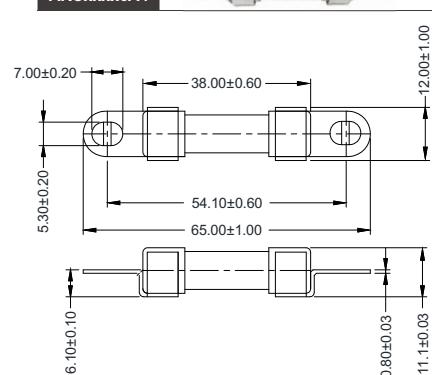
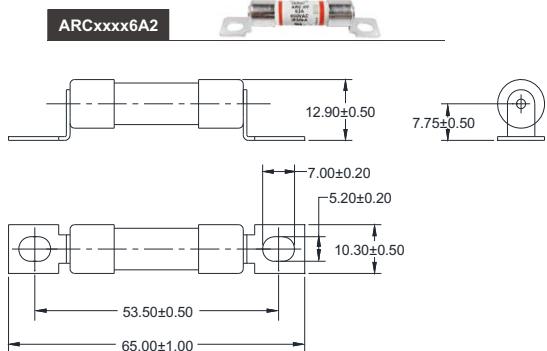
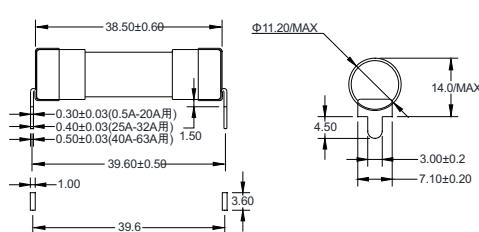
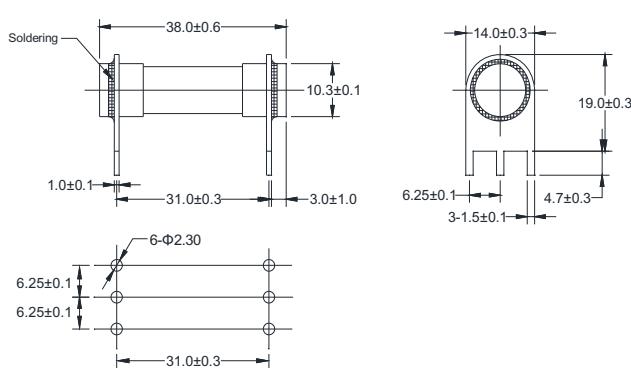
PART NUMBERING SYSTEM



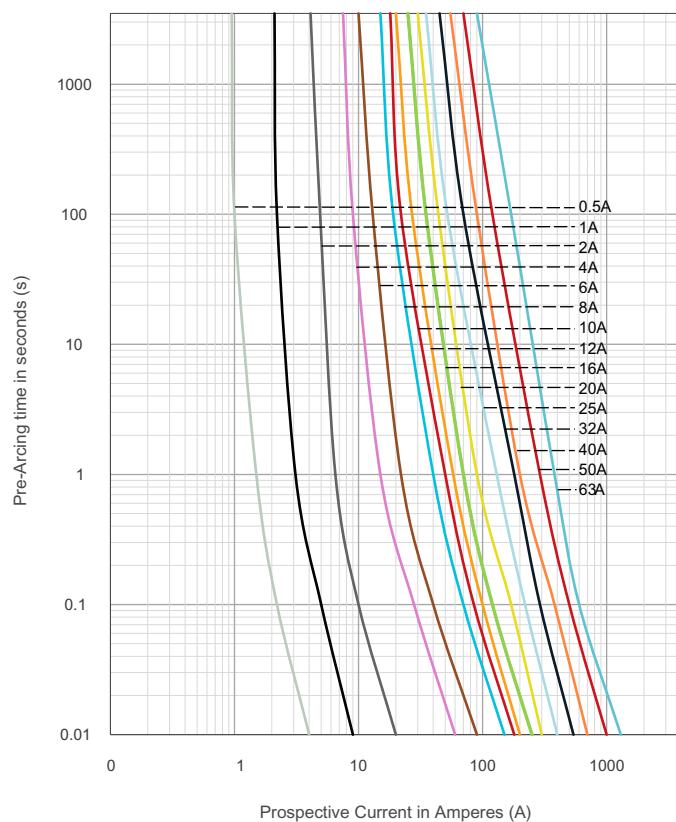
ELECTRICAL SPECIFICATIONS

Part Number							Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification	
Cartridge	Level	Level1	Twins Leve	Central	PCB	PCB1					cURus	TUV
ARC05006A0	ARC05006A1	ARC05006A2	ARC05006A3	ARC05006A4	ARC05006A5	ARC05006A6	0.5A	500	600 Vac	100 kA@ 600 Vac	●	●
ARC11006A0	ARC11006A1	ARC11006A2	ARC11006A3	ARC11006A4	ARC11006A5	ARC11006A6	1A	1100			●	●
ARC12006A0	ARC12006A1	ARC12006A2	ARC12006A3	ARC12006A4	ARC12006A5	ARC12006A6	2A	1200			●	●
ARC14006A0	ARC14006A1	ARC14006A2	ARC14006A3	ARC14006A4	ARC14006A5	ARC14006A6	4A	1400			●	●
ARC16006A0	ARC16006A1	ARC16006A2	ARC16006A3	ARC16006A4	ARC16006A5	ARC16006A6	6A	1600			●	●
ARC18006A0	ARC18006A1	ARC18006A2	ARC18006A3	ARC18006A4	ARC18006A5	ARC18006A6	8A	1800			●	●
ARC21006A0	ARC21006A1	ARC21006A2	ARC21006A3	ARC21006A4	ARC21006A5	ARC21006A6	10A	2100			●	●
ARC21206A0	ARC21206A1	ARC21206A2	ARC21206A3	ARC21206A4	ARC21206A5	ARC21206A6	12A	2120			●	●
ARC21606A0	ARC21606A1	ARC21606A2	ARC21606A3	ARC21606A4	ARC21606A5	ARC21606A6	16A	2160			●	●
ARC22006A0	ARC22006A1	ARC22006A2	ARC22006A3	ARC22006A4	ARC22006A5	ARC22006A6	20A	2200			●	●
ARC22506A0	ARC22506A1	ARC22506A2	ARC22506A3	ARC22506A4	ARC22506A5	ARC22506A6	25A	2250	600 Vac	50 kA@ 600 Vac	●	●
ARC23206A0	ARC23206A1	ARC23206A2	ARC23206A3	ARC23206A4	ARC23206A5	ARC23206A6	32A	2320			●	●
ARC24006A0	ARC24006A1	ARC24006A2	ARC24006A3	ARC24006A4	ARC24006A5	ARC24006A6	40A	2400			●	●
ARC25006A0	ARC25006A1	ARC25006A2	ARC25006A3	ARC25006A4	ARC25006A5	ARC25006A6	50A	2500			●	●
ARC26306A0	ARC26306A1	ARC26306A2	ARC26306A3	ARC26306A4	ARC26306A5	ARC26306A6	63A	2630			●	●

Table 1 Note:1. ●=Certification obtained.

DIMENSIONS(mm)
ARCxxxx6A0

ARCxxxx6A3

ARCxxxx6A1

ARCxxxx6A4

ARCxxxx6A2

ARCxxxx6A5

ARCxxxx6A6


TIME CURRENT CURVE



ARC 690Vac Semiconductor Fuses 14x51mm



FEATURES

- Fast acting (aR) fuses are used for the protection of cables against short-circuits
- General purpose fuse-links for the protection of semiconductor devices

APPLICATIONS

- Industrial ESS and BESS protection
- Power Distribution Protection

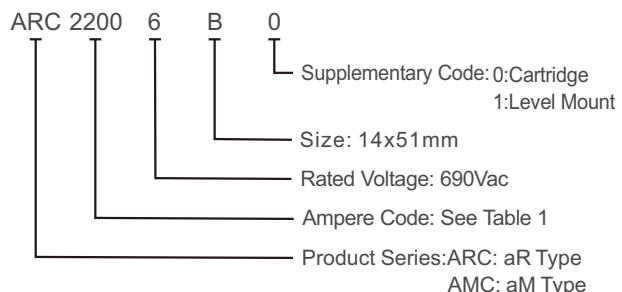
DESCRIPTION

Adler ARC series semiconductor fuses are engineered and manufactured for use in Industrial and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 4A to 63A with a breaking capacity of 80kA.

AGENCY INFORMATION

- Ref. to UL 248-13, IEC 60269-4, GBT 13539.4
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

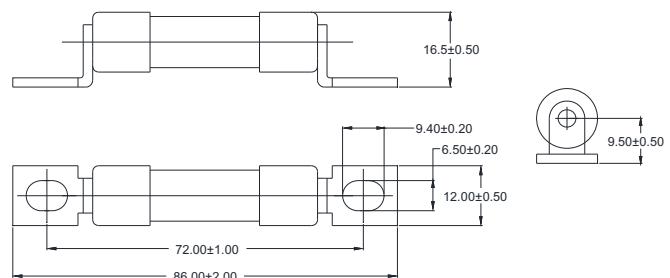
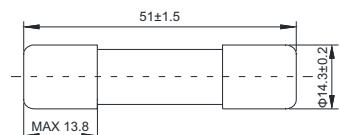
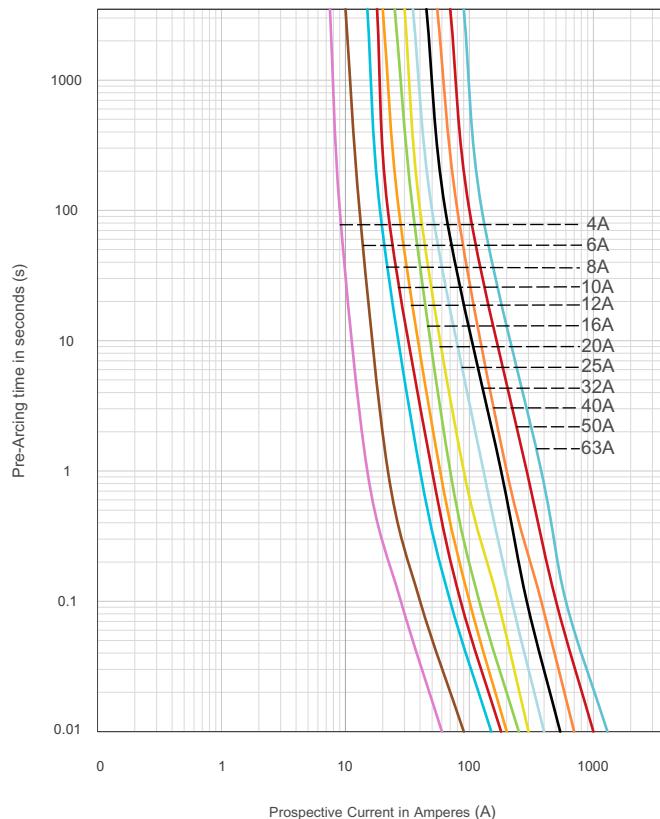
PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

14x51mm aR Type		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level					cURus
ARC14006B0	ARC14006B2	4A	1400	690 Vac	80 kA@690 Vac	●
ARC16006B0	ARC16006B2	6A	1600			●
ARC18006B0	ARC18006B2	8A	1800			●
ARC21006B0	ARC21006B2	10A	2100			●
ARC21206B0	ARC21206B2	12A	2120			●
ARC21606B0	ARC21606B2	16A	2160			●
ARC22006B0	ARC22006B2	20A	2200			●
ARC22506B0	ARC22506B2	25A	2250			●
ARC23206B0	ARC23206B2	32A	2320			●
ARC24006B0	ARC24006B2	40A	2400			●
ARC25006B0	ARC25006B2	50A	2500			●
ARC26306B0	ARC26306B2	63A	2630			●

Table 1 Note:1. ●=Certification obtained.

DIMENSIONS (mm)

TIME CURRENT CURVE


ARC 690/500Vac Semiconductor Fuse 22x58mm



FEATURES

- Fast acting (aR) fuses are used for the protection of cables against short-circuits
- General purpose fuse-links for the protection of semiconductor devices

APPLICATIONS

- Industrial ESS and BESS protection
- Power Distribution Protection

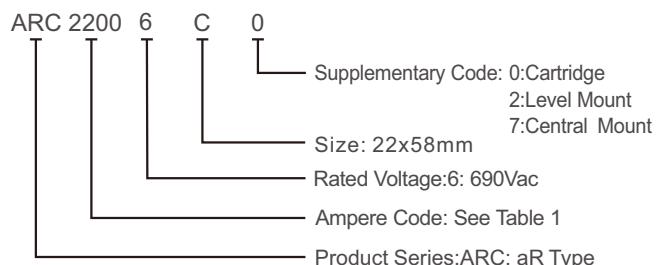
DESCRIPTION

Adler ARC series semiconductor fuses are engineered and manufactured for use in Industrial and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 16A to 100A with a breaking capacity of 80 - 120kA.

AGENCY INFORMATION

- Ref. to UL 248-13, IEC 60269-4, GBT 13539.4
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM

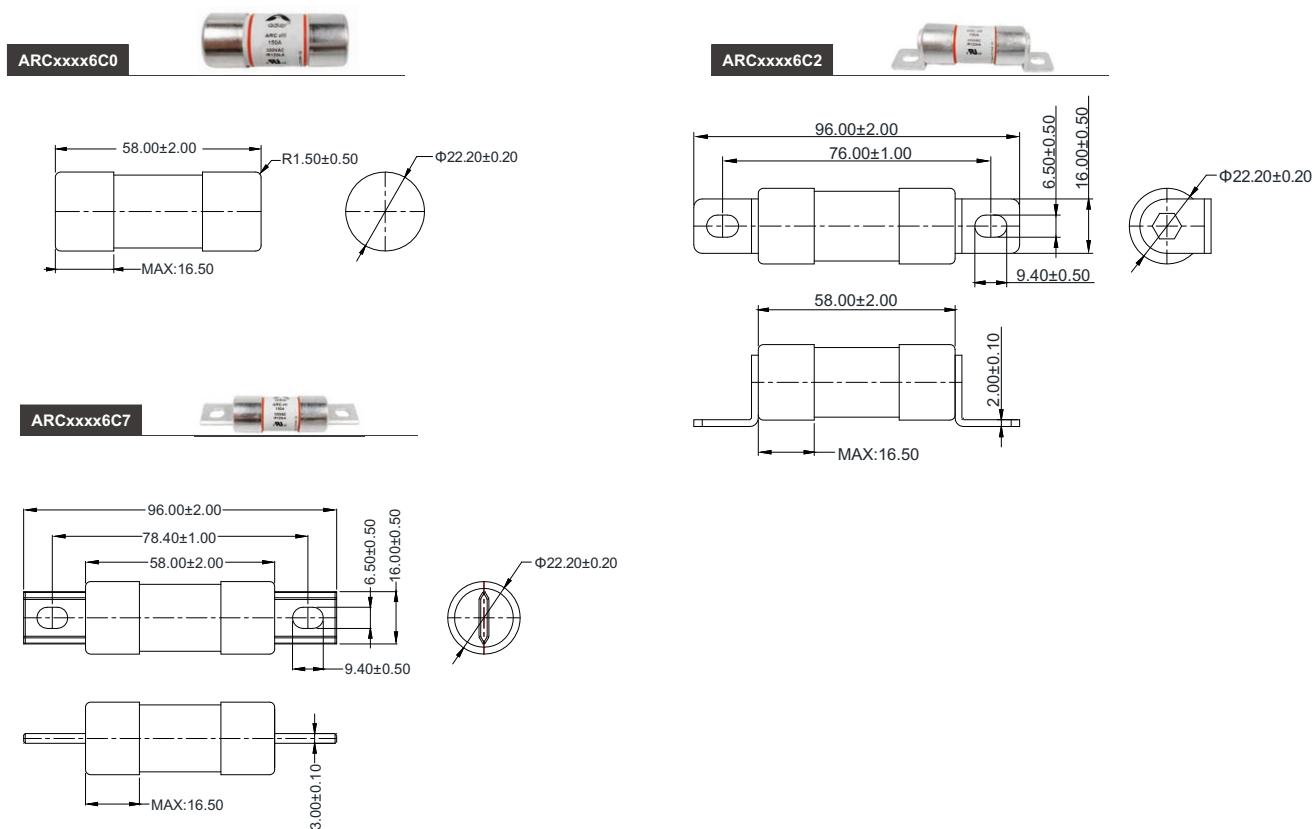


ELECTRICAL SPECIFICATIONS

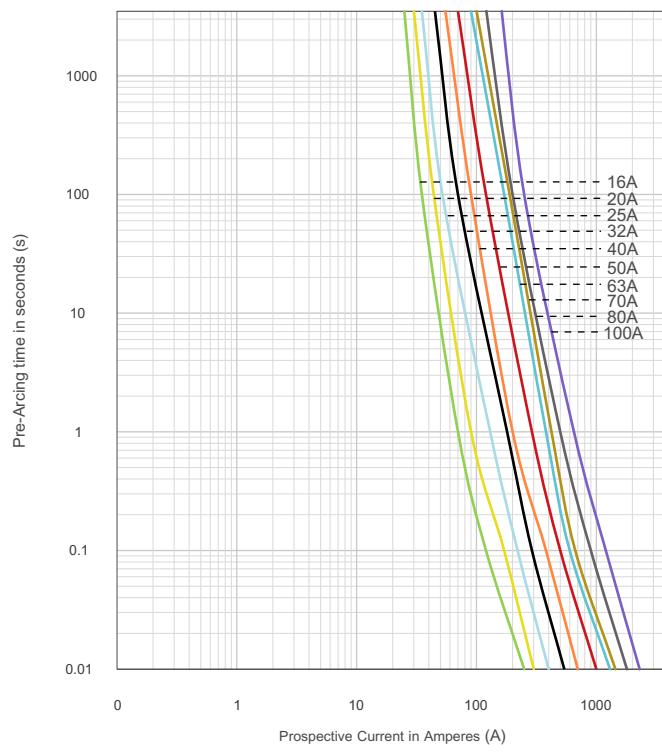
Part Number			Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level	Central					cURus
ARC21606C0	ARC21606C2	ARC21606C7	16A	2160	690 Vac	80 kA@690 Vac	●
ARC22006C0	ARC22006C2	ARC22006C7	20A	2200			●
ARC22506C0	ARC22506C2	ARC22506C7	25A	2250			●
ARC23206C0	ARC23206C2	ARC23206C7	32A	2320			●
ARC24006C0	ARC24006C2	ARC24006C7	40A	2400			●
ARC25006C0	ARC25006C2	ARC25006C7	50A	2500			●
ARC26306C0	ARC26306C2	ARC26306C7	63A	2630			●
ARC27006C0	ARC27006C2	ARC27006C7	70A	2700			●
ARC28006C0	ARC28006C2	ARC28006C7	80A	2800			●
ARC31006C0	ARC31006C2	ARC31006C7	100A	3100	500 Vac	120 kA@500 Vac	●

Table 1 Note:1. ●=Certification obtained.

DIMENSIONS (mm)



TIME CURRENT CURVE



AMC 600Vac Semiconductor Fuse 10x38mm



FEATURES

- General purpose time-Lag (aM) fuses are for the protection of motors and semiconductor devices

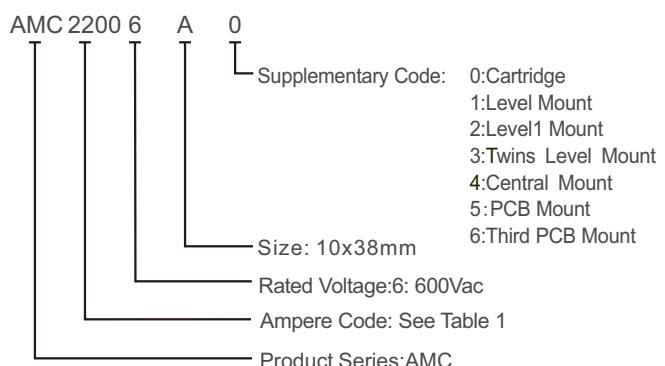
DESCRIPTION

Adler AMC series semiconductor fuses are engineered and manufactured for use in motor and semiconductor protection, made from the highest quality materials and tested to the highest standards. With rated currents from 0.5A to 63A with a breaking capacity of 50 - 100kA.

AGENCY INFORMATION

- Ref. to UL 248-13, IEC 60269-4, GBT 13539.4
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

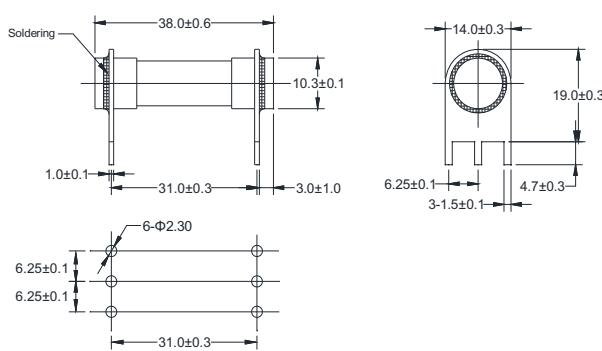
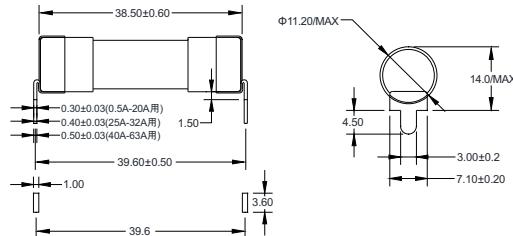
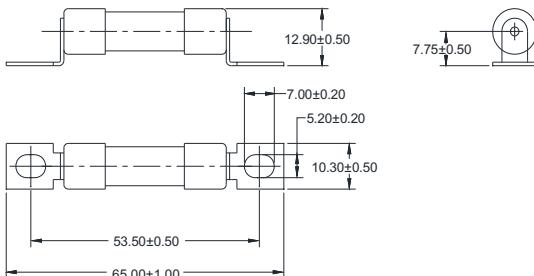
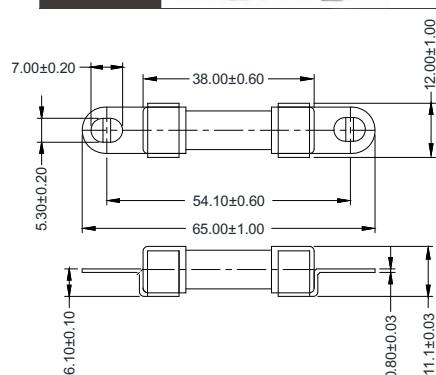
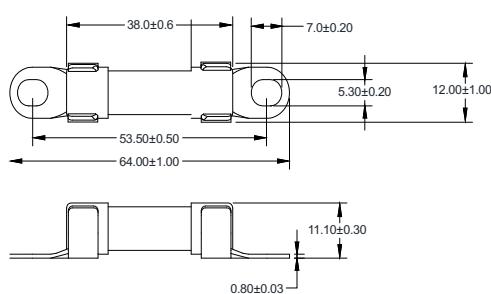
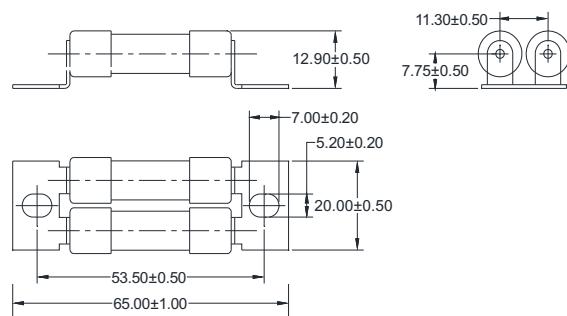
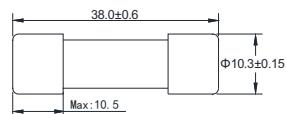
PART NUMBERING SYSTEM



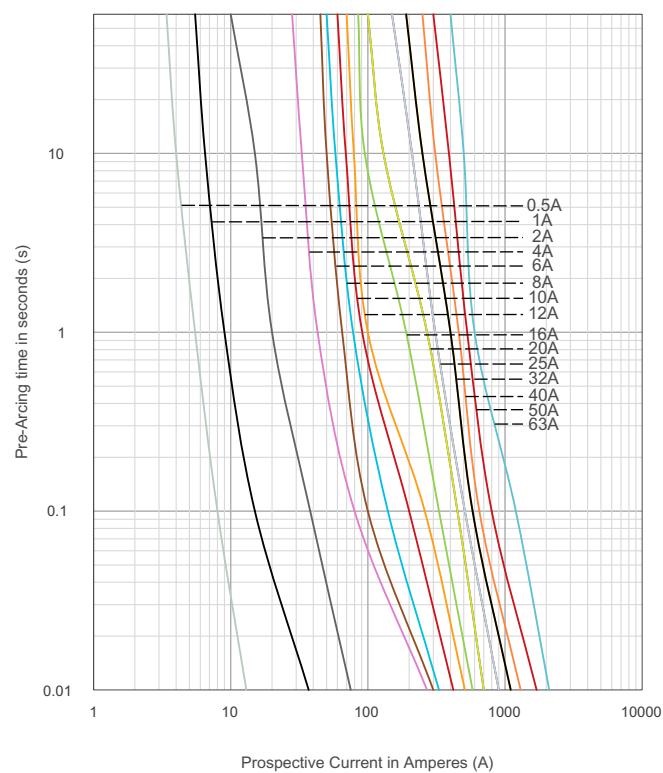
ELECTRICAL SPECIFICATIONS

Part Number							Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level	Level1	Twins Leve	Central	PCB	PCB1					
AMC05006A0	AMC05006A1	AMC05006A2	AMC05006A3	AMC05006A4	AMC05006A5	AMC05006A6	0.5A	500	600 Vac	100 kA@ 600 Vac	●
AMC11006A0	AMC11006A1	AMC11006A2	AMC11006A3	AMC11006A4	AMC11006A5	AMC11006A6	1A	1100	600 Vac	100 kA@ 600 Vac	●
AMC12006A0	AMC12006A1	AMC12006A2	AMC12006A3	AMC12006A4	AMC12006A5	AMC12006A6	2A	1200	600 Vac	100 kA@ 600 Vac	●
AMC14006A0	AMC14006A1	AMC14006A2	AMC14006A3	AMC14006A4	AMC14006A5	AMC14006A6	4A	1400	600 Vac	100 kA@ 600 Vac	●
AMC16006A0	AMC16006A1	AMC16006A2	AMC16006A3	AMC16006A4	AMC16006A5	AMC16006A6	6A	1600	600 Vac	100 kA@ 600 Vac	●
AMC18006A0	AMC18006A1	AMC18006A2	AMC18006A3	AMC18006A4	AMC18006A5	AMC18006A6	8A	1800	600 Vac	100 kA@ 600 Vac	●
AMC21006A0	AMC21006A1	AMC21006A2	AMC21006A3	AMC21006A4	AMC21006A5	AMC21006A6	10A	2100	600 Vac	100 kA@ 600 Vac	●
AMC21206A0	AMC21206A1	AMC21206A2	AMC21206A3	AMC21206A4	AMC21206A5	AMC21206A6	12A	2120	600 Vac	100 kA@ 600 Vac	●
AMC21606A0	AMC21606A1	AMC21606A2	AMC21606A3	AMC21606A4	AMC21606A5	AMC21606A6	16A	2160	600 Vac	100 kA@ 600 Vac	●
AMC22006A0	AMC22006A1	AMC22006A2	AMC22006A3	AMC22006A4	AMC22006A5	AMC22006A6	20A	2200	600 Vac	100 kA@ 600 Vac	●
AMC22506A0	AMC22506A1	AMC22506A2	AMC22506A3	AMC22506A4	AMC22506A5	AMC22506A6	25A	2250	600 Vac	100 kA@ 600 Vac	●
AMC23206A0	AMC23206A1	AMC23206A2	AMC23206A3	AMC23206A4	AMC23206A5	AMC23206A6	32A	2320	600 Vac	100 kA@ 600 Vac	●
AMC24006A0	AMC24006A1	AMC24006A2	AMC24006A3	AMC24006A4	AMC24006A5	AMC24006A6	40A	2400	600 Vac	100 kA@ 600 Vac	●
AMC25006A0	AMC25006A1	AMC25006A2	AMC25006A3	AMC25006A4	AMC25006A5	AMC25006A6	50A	2500	600 Vac	100 kA@ 600 Vac	●
AMC26306A0	AMC26306A1	AMC26306A2	AMC26306A3	AMC26306A4	AMC26306A5	AMC26306A6	63A	2630	600 Vac	100 kA@ 600 Vac	●

Table 1 Note:(1)●=Certification obtained.

DIMENSIONS (mm)


TIME CURRENT CURVE



AMC 690Vac Semiconductor Fuse 14x51mm



FEATURES

- Time-Lag (aM) fuses are for protection of motors
- General purpose fuse-links for the protection of semiconductor devices

APPLICATIONS

- Motor Protection
- Semiconductor Protection

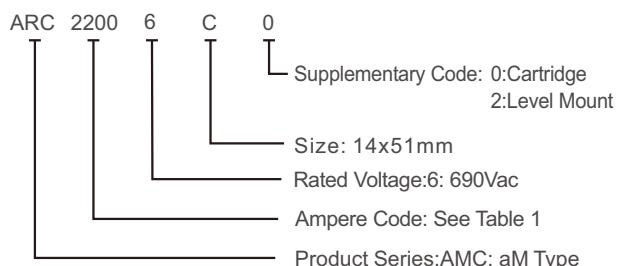
DESCRIPTION

Adler AMC series semiconductor fuses are engineered and manufactured for use in motor and semiconductor protection, made from the highest quality materials and tested to the highest standards. With rated currents from 4A to 80A with a breaking capacity of 80kA.

AGENCY INFORMATION

- Ref. to UL 248-13, IEC 60269-4, GBT 13539.4
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

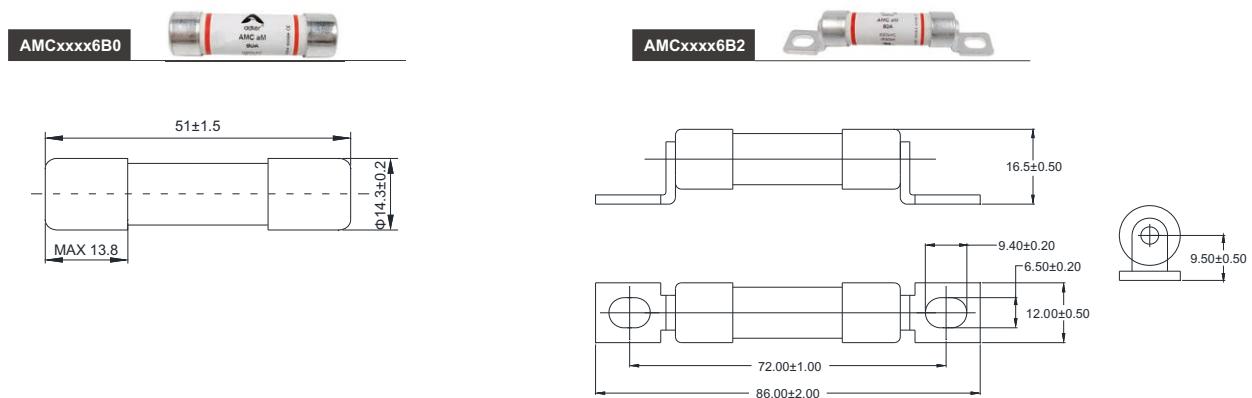
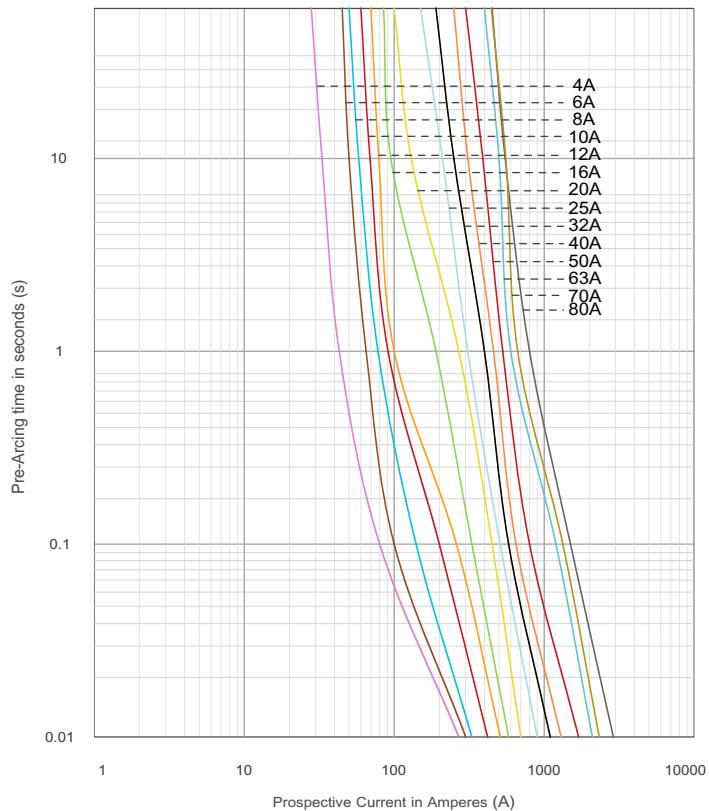
PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

14x51mm aM Type		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level					cURus
AMC14006B0	AMC14006B2	4A	1400	690 Vac	80 kA@690 Vac	●
AMC16006B0	AMC16006B2	6A	1600			●
AMC18006B0	AMC18006B2	8A	1800			●
AMC21006B0	AMC21006B2	10A	2100			●
AMC21206B0	AMC21206B2	12A	2120			●
AMC21606B0	AMC21606B2	16A	2160			●
AMC22006B0	AMC22006B2	20A	2200			●
AMC22506B0	AMC22506B2	25A	2250			●
AMC23206B0	AMC23206B2	32A	2320			●
AMC24006B0	AMC24006B2	40A	2400			●
AMC25006B0	AMC25006B2	50A	2500			●
AMC26306B0	AMC26306B2	63A	2630			●
AMC27006B0	AMC27006B2	70A	2700			●
AMC28006B0	AMC28006B2	80A	2800			●

Table 1 Note:1. ●=Certification obtained.

DIMENSIONS (mm)

TIME CURRENT CURVE


AMC 690/500Vac Semiconductor Fuse 22x58mm



FEATURES

- Time-Lag (aM) fuses are for protection of motors.
- General purpose fuse-links for the protection of semiconductor devices

APPLICATIONS

- Motor Protection
- Semiconductor Protection

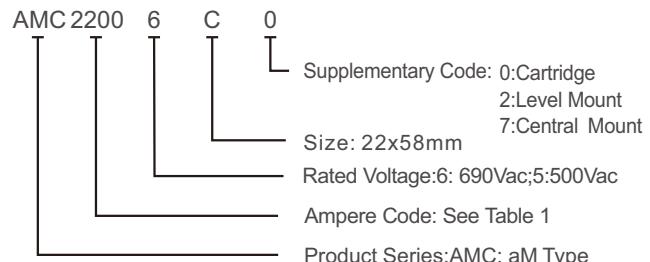
DESCRIPTION

Adler AMC series semiconductor fuses are engineered and manufactured for use in motor and semiconductor protection, made from the highest quality materials and tested to the highest standards. With rated currents from 16A to 150A with a breaking capacity of 80 - 120kA.

AGENCY INFORMATION

- Ref. to UL 248-13, IEC 60269-4, GBT 13539.4
- Approval: UL (File: E485737)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM

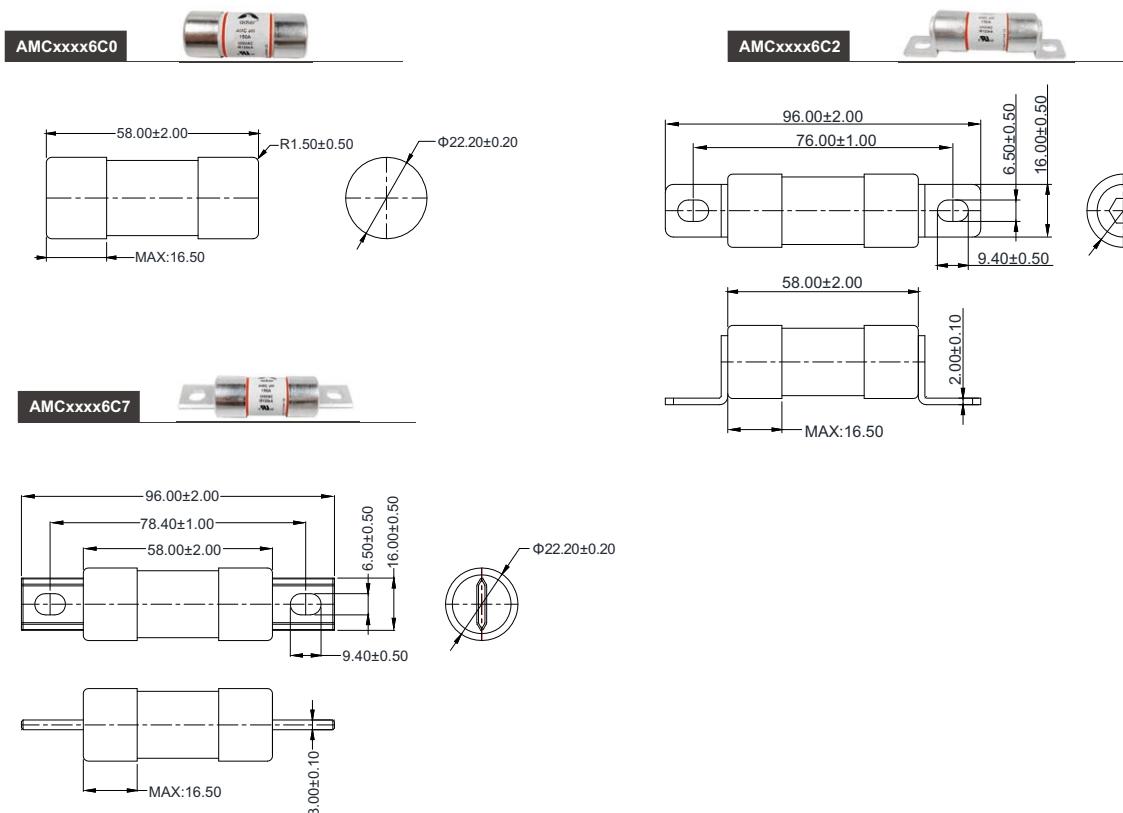


ELECTRICAL SPECIFICATIONS

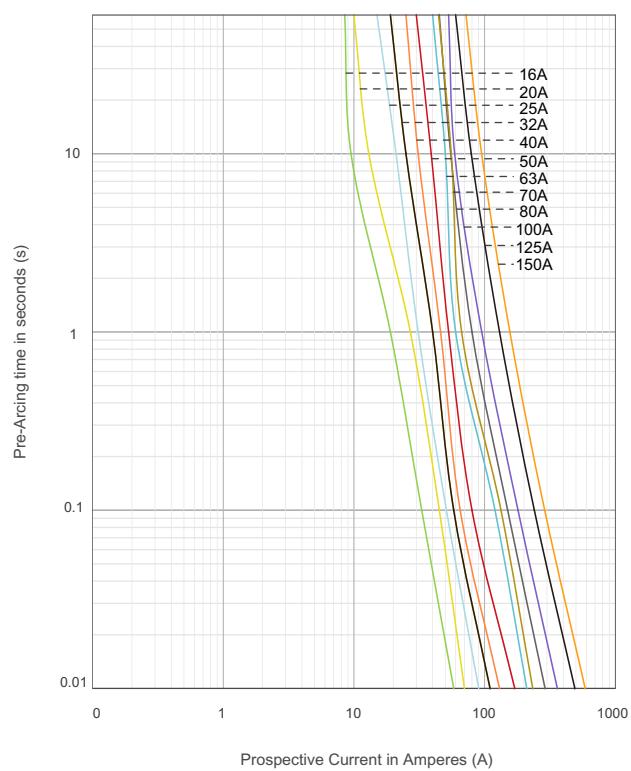
Part Number			Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level	Central					cURus
AMC21606C0	AMC21606C2	AMC21606C7	16A	2160	690 Vac	80 kA@690 Vac	●
AMC22006C0	AMC22006C2	AMC22006C7	20A	2200			●
AMC22506C0	AMC22506C2	AMC22506C7	25A	2250			●
AMC23206C0	AMC23206C2	AMC23206C7	32A	2320			●
AMC24006C0	AMC24006C2	AMC24006C7	40A	2400			●
AMC25006C0	AMC25006C2	AMC25006C7	50A	2500			●
AMC26306C0	AMC26306C2	AMC26306C7	63A	2630			●
AMC27006C0	AMC27006C2	AMC27006C7	70A	2700			●
AMC28006C0	AMC28006C2	AMC28006C7	80A	2800			●
AMC31005C0	AMC31005C2	AMC31005C7	100A	3100	500 Vac	120 kA@500 Vac	●
AMC31255C0	AMC31255C2	AMC31255C7	125A	3125			●
AMC31505C0	AMC31505C2	AMC31505C7	150A	3150			●

Table 1 Note:1. ●=Certification obtained.

DIMENSIONS (mm)



TIME CURRENT CURVE



AG4 & AG5 & AGH 690/500Vac Semiconductor Fuse



FEATURES

- Reliable clearing of fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- QR code marks on each fuse for traceability

APPLICATIONS

- Motor Protection
- Semiconductor Protection

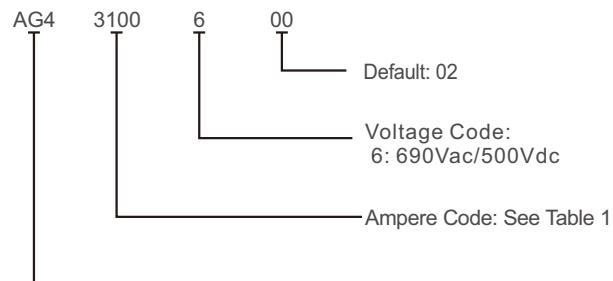
DESCRIPTION

Adler AG4, AG5, AGH series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 40A to 700A with a breaking capacity of 50kA.

AGENCY INFORMATION

- Designed to IEC 60269-4; GB 13539-4
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



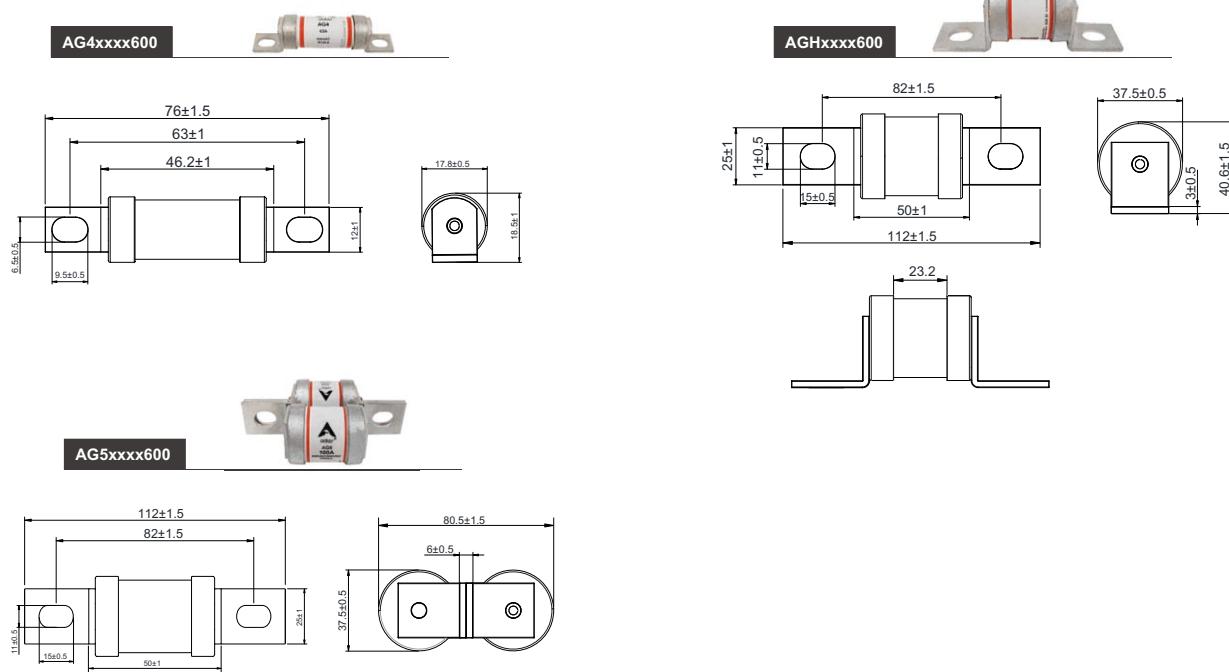
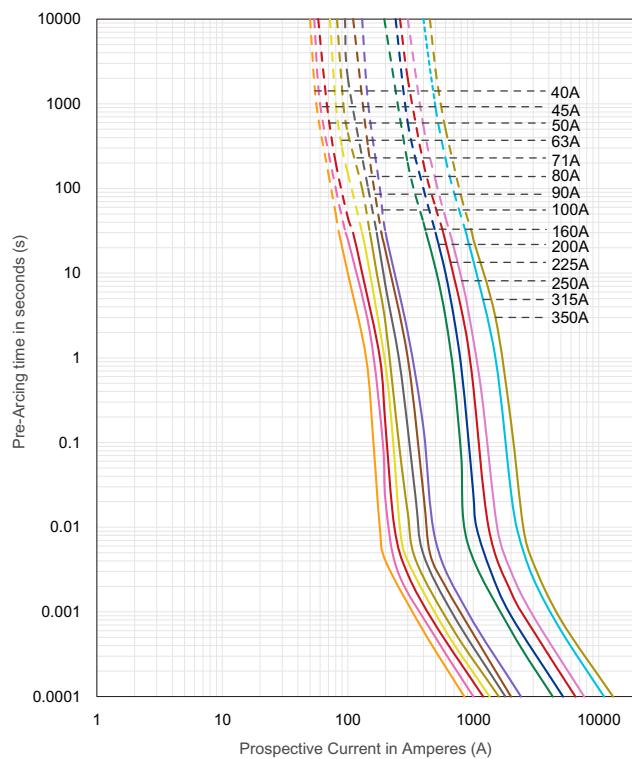
Product Series: AG4

ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity		$I^2t(A^2\text{sec})$			Watt Loss (W)
					Self-test	UL**	Pre-Arcing	Clearing at 415 V	Clearing at 660 V	
18x46	AG42400600	40 A	2400	690Vac 500Vdc	10 kA@ 500 Vdc	50 kA@ 690 Vdc	103	600	900	9
	AG42500600	50 A	2500				103	380	600	11
	AG42630600	63 A	2630				135	480	750	12
	AG42800600	80 A	2800				250	900	1500	20
	AG42900600	90 A	2900				330	1200	2050	22
	AG43100600	100 A	3100				470	1800	2800	23
38x50	AGH3160600	160 A	3160	690Vac 500Vdc	10 kA@ 500 Vdc	50 kA@ 690 Vdc	2400	15000	25000	26
	AGH3200600	200 A	3200				3500	18500	32000	37
	AGH3225600	225 A	3225				4300	19700	35200	42
	AGH3250600	250 A	3250				5200	20500	37500	48
	AGH3315600	315 A	3315				10000	40000	77000	55
	AGH3350600	350 A	3350				15000	60000	105000	55
	AG53500600	500 A	3500		50 kA@690 Vac 10 kA@500 Vdc	-	48000	370000	520000	71
	AG53700600	700 A	3700				91000	710000	1100000	116

Table 1 Note:(1)** --- UL File: E485737

(2)Pre-arcng I^2t are measured at 10In Current

DIMENSIONS (mm)

TIME CURRENT CURVE


AN6 690Vac/700Vac Semiconductor Fuse



DESCRIPTION

Square body US style bolted tags high speed fuse links
Provides state-of-the-art protection for semiconductors:
diodes, thyristors, and IGBT devices.

FEATURES

- Low watt losses
- Low arc voltage and low energy let-through I^2t
- Superior cycling capability
- Ultra fast acting
- Current limiting

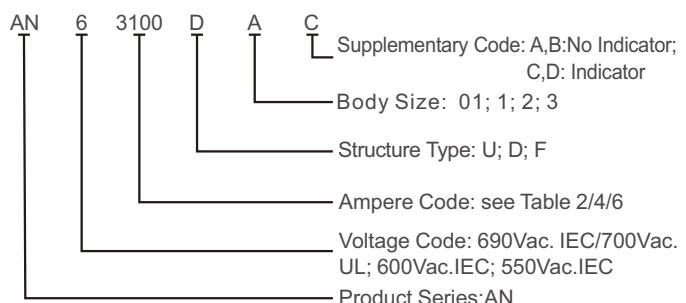
APPLICATIONS

- Motor Protection
- Semiconductor Protection

AGENCY INFORMATION

- CE, Designed and tested to IEC 60269 Part 4
- GB/T13539.4

PART NUMBERING SYSTEM



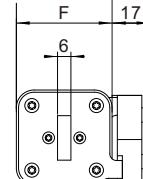
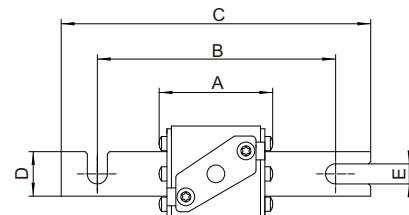
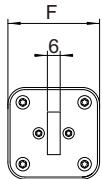
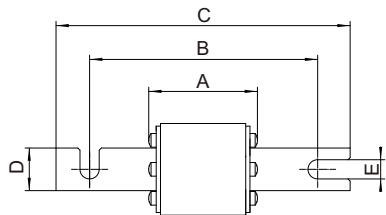
ELECTRICAL SPECIFICATIONS

Size	Part number				Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	Melting I^2t	Clearing I^2t	Watt Loss (W)
	Indicator	No Indicator	Indicator	No Indicator					(A ² s)	(A ² s)	
01	AN62400DAC	AN62400DAA	AN62400DAD	AN62400DAB	2400	40A	690Vac.IEC 700Vac.UL	200kA	39	260	8
	AN62500DAC	AN62500DAA	AN62500DAD	AN62500DAB	2500	50A			76	510	10
	AN62630DAC	AN62630DAA	AN62630DAD	AN62630DAB	2630	63A			110	750	13
	AN62800DAC	AN62800DAA	AN62800DAD	AN62800DAB	2800	80A			180	1200	17
	AN63100DAC	AN63100DAA	AN63100DAD	AN63100DAB	3100	100A			350	2400	20
	AN63125DAC	AN63125DAA	AN63125DAD	AN63125DAB	3125	125A			540	3650	25
	AN63160DAC	AN63160DAA	AN63160DAD	AN63160DAB	3160	160A			1050	7400	29
	AN63200DAC	AN63200DAA	AN63200DAD	AN63200DAB	3200	200A			2100	14900	34
	AN63250DAC	AN63250DAA	AN63250DAD	AN63250DAB	3250	250A			4150	28000	39
	AN63315DAC	AN63315DAA	AN63315DAD	AN63315DAB	3315	315A			6900	46000	49
	AN63350DAC	AN63350DAA	AN63350DAD	AN63350DAB	3350	350A			10000	68000	54
	AN63400DAC	AN63400DAA	AN63400DAD	AN63400DAB	3400	400A			15000	104500	59
	AN63450DAC	AN63450DAA	AN63450DAD	AN63450DAB	3450	450A			20500	135500	64
	AN63500DAC	AN63500DAA	AN63500DAD	AN63500DAB	3500	500A			26500	175900	69
	AN63550DAC	AN63550DAA	AN63550DAD	AN63550DAB	3550	550A			33500	229500	74
	AN63630DAC	AN63630DAA	AN63630DAD	AN63630DAB	3630	630A			48000	324500	79

ELECTRICAL SPECIFICATIONS

Size	Part number				Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	Melting I ² t	Clearing I ² t	Watt Loss (W)
	Indicator	No Indicator	Indicator	No Indicator					(A ² s)	(A ² s)	
1	AN63200D1C	AN63200D1A	AN63200D1D	AN63200D1B	3200	200A	690Vac.IEC 700Vac.UL	690Vac.IEC 700Vac.UL	1600	11400	44
	AN63250D1C	AN63250D1A	AN63250D1D	AN63250D1B	3250	250A			3090	20950	54
	AN63315D1C	AN63315D1A	AN63315D1D	AN63315D1B	3315	315A			6100	41500	55
	AN63350D1C	AN63350D1A	AN63350D1D	AN63350D1B	3350	350A			8400	58500	59
	AN63400D1C	AN63400D1A	AN63400D1D	AN63400D1B	3400	400A			13400	91000	65
	AN63450D1C	AN63450D1A	AN63450D1D	AN63450D1B	3450	450A			16500	120000	68
	AN63500D1C	AN63500D1A	AN63500D1D	AN63500D1B	3500	500A			24500	170000	70
	AN63550D1C	AN63550D1A	AN63550D1D	AN63550D1B	3550	550A			34000	225900	74
	AN63630D1C	AN63630D1A	AN63630D1D	AN63630D1B	3630	630A			51400	349000	80
	AN63700D1C	AN63700D1A	AN63700D1D	AN63700D1B	3700	700A			69000	465000	84
	AN63800D1C	AN63800D1A	AN63800D1D	AN63800D1B	3800	800A			104500	720000	96
2	AN63900D1C	AN63900D1A	AN63900D1D	AN63900D1B	3900	900A	600Vac.IEC 690Vac.IEC 700Vac.UL	600Vac.IEC 690Vac.IEC 700Vac.UL	154500	845500	100
	AN63400D2C	AN63400D2A	AN63400D2D	AN63400D2B	3400	400			10500	73500	64
	AN63450D2C	AN63450D2A	AN63450D2D	AN63450D2B	3450	450			15500	105000	70
	AN63500D2C	AN63500D2A	AN63500D2D	AN63500D2B	3500	500			21000	140000	74
	AN63550D2C	AN63550D2A	AN63550D2D	AN63550D2B	3550	550			28000	190000	80
	AN63630D2C	AN63630D2A	AN63630D2D	AN63630D2B	3630	630			40000	270000	85
	AN63700D2C	AN63700D2A	AN63700D2D	AN63700D2B	3700	700			60000	404500	90
	AN63800D2C	AN63800D2A	AN63800D2D	AN63800D2B	3800	800			85500	570500	100
	AN63900D2C	AN63900D2A	AN63900D2D	AN63900D2B	3900	900			124000	839000	105
	AN64100D2C	AN64100D2A	AN64100D2D	AN64100D2B	4100	1000			180000	1250000	110
	AN64110D2C	AN64110D2A	AN64110D2D	AN64110D2B	4110	1100			244500	1595000	115
3	AN64125D2C	AN64125D2A	AN64125D2D	AN64125D2B	4125	1250	600Vac.IEC 690Vac.IEC 700Vac.UL	600Vac.IEC 690Vac.IEC 700Vac.UL	360000	2355000	125
	AN63500D3C	AN63500D3A	AN63500D3D	AN63500D3B	3500	500			14000	94000	92
	AN63550D3C	AN63550D3A	AN63550D3D	AN63550D3B	3550	550			19000	134500	95
	AN63630D3C	AN63630D3A	AN63630D3D	AN63630D3B	3630	630			31000	210000	105
	AN63700D3C	AN63700D3A	AN63700D3D	AN63700D3B	3700	700			44000	300000	108
	AN63800D3C	AN63800D3A	AN63800D3D	AN63800D3B	3800	800			69000	464500	113
	AN63900D3C	AN63900D3A	AN63900D3D	AN63900D3B	3900	900			100000	669000	118
	AN64100D3C	AN64100D3A	AN64100D3D	AN64100D3B	4100	1000			140000	940000	120
	AN64110D3C	AN64110D3A	AN64110D3D	AN64110D3B	4110	1100			190000	1300000	128
	AN64125D3C	AN64125D3A	AN64125D3D	AN64125D3B	4125	1250			285000	1950000	135
	AN64140D3C	AN64140D3A	AN64140D3D	AN64140D3B	4140	1400			365000	2405000	153
4	AN64150D3C	AN64150D3A	AN64150D3D	AN64150D3B	4150	1500	600Vac.IEC	600Vac.IEC	460000	3050000	158
	AN64160D3C	AN64160D3A	AN64160D3D	AN64160D3B	4160	1600			580000	3850000	160
	AN64180D3C	AN64180D3A	AN64180D3D	AN64180D3B	4180	1800			875500	5245000	164
	AN64200D3C	AN64200D3A	AN64200D3D	AN64200D3B	4200	2000			1145000	6350000	175

DIMENSIONS (mm)

AN6XXXXDXA
AN6XXXXDXBAN6XXXXDXC
AN6XXXXDXD

Part number	Fuse Size	A±2	B±2	C±2	D	E	F±2mm
AN6XXXXDXA AN6XXXXDXC	01	51	107	139	20	9	43
	1	51	107	139	25	11	51
	2	51	107	139	32	11	59
	3	51	107	139	32	11	74
AN6XXXXDXB AN6XXXXDXD	01	51	77	108	20	9	43
	1	51	77	108	25	11	51
	2	51	77	108	32	11	59
	3	51	77	108	32	11	74

ELECTRICAL SPECIFICATIONS

Size	Part number		Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	Melting I ² t	Clearing I ² t	Watt Loss (W)
	Indicator	No Indicator					(A ² s)	(A ² s)	(W)
01	AN62400FAA	AN62400FAC	2400	40A	690Vac.IEC 700Vac.UL	200kA	39	260	8
	AN62500FAA	AN62500FAC	2500	50A			76	510	10
	AN62630FAA	AN62630FAC	2630	63A			110	750	13
	AN62800FAA	AN62800FAC	2800	80A			180	1200	17
	AN63100FAA	AN63100FAC	3100	100A			350	2400	20
	AN63125FAA	AN63125FAC	3125	125A			540	3650	25
	AN63160FAA	AN63160FAC	3160	160A			1050	7400	29
	AN63200FAA	AN63200FAC	3200	200A			2100	14900	34
	AN63250FAA	AN63250FAC	3250	250A			4150	28000	39
	AN63315FAA	AN63315FAC	3315	315A			6900	46000	49
	AN63350FAA	AN63350FAC	3350	350A			10000	68000	54
	AN63400FAA	AN63400FAC	3400	400A			15000	104500	59
	AN63450FAA	AN63450FAC	3450	450A			20500	135500	64
	AN63500FAA	AN63500FAC	3500	500A			26500	175900	69
	AN63550FAA	AN63550FAC	3550	550A			33500	229500	74
	AN63630FAA	AN63630FAC	3630	630A			48000	324500	79



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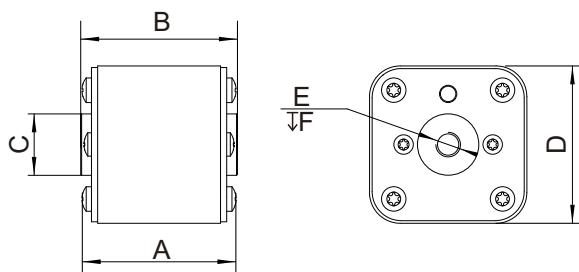
Semiconductor Fuses

ELECTRICAL SPECIFICATIONS

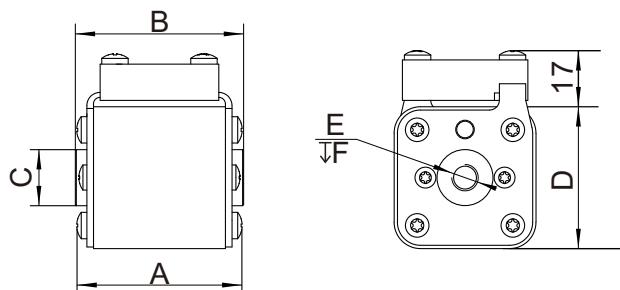
Size	Part number		Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	Melting I^2t	Clearing I^2t	Watt Loss (W)
	No Indicator	Indicator					(A ² s)	(A ² s)	
1	AN63200F1A	AN63200F1C	3200	200A	690Vac.IEC 700Vac.UL	200kA	1600	11400	44
	AN63250F1A	AN63250F1C	3250	250A			3090	20950	54
	AN63315F1A	AN63315F1C	3315	315A			6100	41500	55
	AN63350F1A	AN63350F1C	3350	350A			8400	58500	59
	AN63400F1A	AN63400F1C	3400	400A			13400	91000	65
	AN63450F1A	AN63450F1C	3450	450A			16500	120000	68
	AN63500F1A	AN63500F1C	3500	500A			24500	170000	70
	AN63550F1A	AN63550F1C	3550	550A			34000	225900	74
	AN63630F1A	AN63630F1C	3630	630A			51400	349000	80
	AN63700F1A	AN63700F1C	3700	700A			69000	465000	84
2	AN63800F1A	AN63800F1C	3800	800A	500Vac.IEC 600Vac.IEC	600kA	104500	720000	96
	AN63900F1A	AN63900F1C	3900	900A			154500	845500	100
	AN63400F2A	AN63400F2C	3400	400A			10500	73500	64
	AN63450F2A	AN63450F2C	3450	450A			15500	105000	70
	AN63500F2A	AN63500F2C	3500	500A			21000	140000	74
	AN63550F2A	AN63550F2C	3550	550A			28000	190000	80
	AN63630F2A	AN63630F2C	3630	630A			40000	270000	85
	AN63700F2A	AN63700F2C	3700	700A			60000	404500	90
	AN63800F2A	AN63800F2C	3800	800A			85500	570500	100
	AN63900F2A	AN63900F2C	3900	900A			124000	839000	105
3	AN64100F2A	AN64100F2C	4100	1000A	600Vac.IEC 700Vac.UL	600kA	180000	1250000	110
	AN64110F2A	AN64110F2C	4110	1100A			244500	1595000	115
	AN64125F2A	AN64125F2C	4125	1250A			360000	2355000	125
	AN63500F3A	AN63500F3C	3500	500A			14000	94000	92
	AN63550F3A	AN63550F3C	3550	550A			19000	134500	95
	AN63630F3A	AN63630F3C	3630	630A			31000	210000	105
	AN63700F3A	AN63700F3C	3700	700A			44000	300000	108
	AN63800F3A	AN63800F3C	3800	800A			69000	464500	113
	AN63900F3A	AN63900F3C	3900	900A			100000	669000	115
	AN64100F3A	AN64100F3C	4100	1000A			140000	940000	120
4	AN64110F3A	AN64110F3C	4110	1100A	600Vac.IEC 700Vac.UL	600kA	190000	1300000	128
	AN64125F3A	AN64125F3C	4125	1250A			285000	1950000	135
	AN64140F3A	AN64140F3C	4140	1400A			365000	2405000	153
	AN64150F3A	AN64150F3C	4150	1500A			460000	3050000	158
	AN64160F3A	AN64160F3C	4160	1600A			580000	3850000	160
	AN64180F3A	AN64180F3C	4180	1800A			875500	5245000	164
	AN64200F3A	AN64200F3C	4200	2000A			1145000	6350000	175

DIMENSIONS (mm)

AN6XXXXFXA



AN6XXXXFXC



Fuse Size	Current	A±2	B±2	C±2	D	E	F±2mm
01	40-630A	50	51	Φ17	43	M8	5
1	200-900A	50	51	Φ20	51	M8	8
2	400~1000A	50	51	Φ24	59	M10	10
	1100and1250A	50	65	Φ24	59	M10	10
3	500~1500A	50	51	Φ30	74	M12	10
	1600~2000A	50	65	Φ30	74	M12	10

ELECTRICAL SPECIFICATIONS

Size	Part number				Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	Melting I ² t	Clearing I ² t	Watt Loss (W)
	Indicator	No Indicator	Indicator	No Indicator					(A ² s)	(A ² s)	
01	AN62400UAC	AN62400DAA	AN62400UAD	AN62400UAB	2400	40A	690Vac.IEC 700Vac.UL	200kA	39	260	8
	AN62500UAC	AN62500DAA	AN62500UAD	AN62500UAB	2500	50A			76	510	10
	AN62630UAC	AN62630DAA	AN62630UAD	AN62630UAB	2630	63A			110	750	13
	AN62800UAC	AN62800DAA	AN62800UAD	AN62800UAB	2800	80A			180	1200	17
	AN63100UAC	AN63100DAA	AN63100UAD	AN63100UAB	3100	100A			350	2400	20
	AN63125UAC	AN63125DAA	AN63125UAD	AN63125UAB	3125	125A			540	3650	25
	AN63160UAC	AN63160DAA	AN63160UAD	AN63160UAB	3160	160A			1050	7400	29
	AN63200UAC	AN63200DAA	AN63200UAD	AN63200UAB	3200	200A			2100	14900	34
	AN63250UAC	AN63250DAA	AN63250UAD	AN63250UAB	3250	250A			4150	28000	39
	AN63315UAC	AN63315DAA	AN63315UAD	AN63315UAB	3315	315A			6900	46000	49
	AN63350UAC	AN63350DAA	AN63350UAD	AN63350UAB	3350	350A			10000	68000	54
	AN63400UAC	AN63400DAA	AN63400UAD	AN63400UAB	3400	400A			15000	104500	59
	AN63450UAC	AN63450DAA	AN63450UAD	AN63450UAB	3450	450A			20500	135500	64
	AN63500UAC	AN63500DAA	AN63500UAD	AN63500UAB	3500	500A			26500	175900	69
	AN63550UAC	AN63550DAA	AN63550UAD	AN63550UAB	3550	550A			33500	229500	74
	AN63630UAC	AN63630DAA	AN63630UAD	AN63630UAB	3630	630A			48000	324500	79



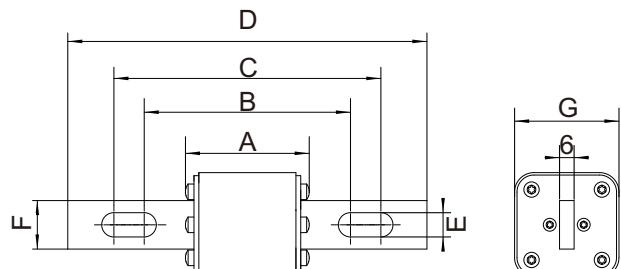
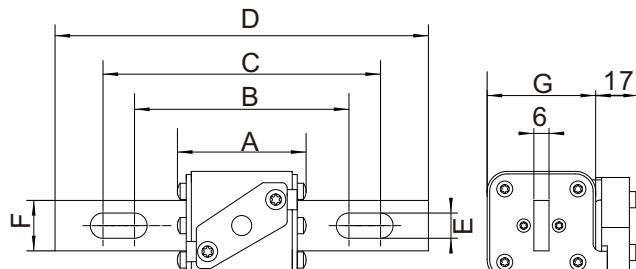
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Semiconductor Fuses

ELECTRICAL SPECIFICATIONS

Size	Part number				Ampere Code	Rated Current	Rated Voltage	Breaking Capacity	Melting I ² t	Clearing I ² t	Watt Loss (W)
	Indicator	No Indicator	Indicator	No Indicator					(A ² s)	(A ² s)	
1	AN63200U1C	AN63200U1A	AN63200U1D	AN63200U1B	3200	200A	690Vac.IEC 700Vac.UL	690Vac.IEC 700Vac.UL	1600	11400	44
	AN63250U1C	AN63250U1A	AN63250U1D	AN63250U1B	3250	250A			3090	20950	54
	AN63315U1C	AN63315U1A	AN63315U1D	AN63315U1B	3315	315A			6100	41500	55
	AN63350U1C	AN63350U1A	AN63350U1D	AN63350U1B	3350	350A			8400	58500	59
	AN63400U1C	AN63400U1A	AN63400U1D	AN63400U1B	3400	400A			13400	91000	65
	AN63450U1C	AN63450U1A	AN63450U1D	AN63450U1B	3450	450A			16500	120000	68
	AN63500U1C	AN63500U1A	AN63500U1D	AN63500U1B	3500	500A			24500	170000	70
	AN63550U1C	AN63550U1A	AN63550U1D	AN63550U1B	3550	550A			34000	225900	74
	AN63630U1C	AN63630U1A	AN63630U1D	AN63630U1B	3630	630A			51400	349000	80
	AN63700U1C	AN63700U1A	AN63700U1D	AN63700U1B	3700	700A			69000	465000	84
	AN63800U1C	AN63800U1A	AN63800U1D	AN63800U1B	3800	800A			104500	720000	96
2	AN63900U1C	AN63900U1A	AN63900U1D	AN63900U1B	3900	900A	600Vac.IEC 690Vac.IEC 700Vac.UL	600Vac.IEC 690Vac.IEC 700Vac.UL	154500	845500	100
	AN63400U2C	AN63400U2A	AN63400U2D	AN63400U2B	3400	400			10500	73500	64
	AN63450U2C	AN63450U2A	AN63450U2D	AN63450U2B	3450	450			15500	105000	70
	AN63500U2C	AN63500U2A	AN63500U2D	AN63500U2B	3500	500			21000	140000	74
	AN63550U2C	AN63550U2A	AN63550U2D	AN63550U2B	3550	550			28000	190000	80
	AN63630U2C	AN63630U2A	AN63630U2D	AN63630U2B	3630	630			40000	270000	85
	AN63700U2C	AN63700U2A	AN63700U2D	AN63700U2B	3700	700			60000	404500	90
	AN63800U2C	AN63800U2A	AN63800U2D	AN63800U2B	3800	800			85500	570500	100
	AN63900U2C	AN63900U2A	AN63900U2D	AN63900U2B	3900	900			124000	839000	105
	AN64100U2C	AN64100U2A	AN64100U2D	AN64100U2B	4100	1000			180000	1250000	110
	AN64110U2C	AN64110U2A	AN64110U2D	AN64110U2B	4110	1100			244500	1595000	115
3	AN64125U2C	AN64125U2A	AN64125U2D	AN64125U2B	4125	1250	600Vac.IEC 690Vac.IEC 700Vac.UL	600Vac.IEC 690Vac.IEC 700Vac.UL	360000	2355000	125
	AN63500U3C	AN63500U3A	AN63500U3D	AN63500U3B	3500	500			14000	94000	92
	AN63550U3C	AN63550U3A	AN63550U3D	AN63550U3B	3550	550			19000	134500	95
	AN63630U3C	AN63630U3A	AN63630U3D	AN63630U3B	3630	630			31000	210000	105
	AN63700U3C	AN63700U3A	AN63700U3D	AN63700U3B	3700	700			44000	300000	108
	AN63800U3C	AN63800U3A	AN63800U3D	AN63800U3B	3800	800			69000	464500	113
	AN63900U3C	AN63900U3A	AN63900U3D	AN63900U3B	3900	900			100000	669000	118
	AN64100U3C	AN64100U3A	AN64100U3D	AN64100U3B	4100	1000			140000	940000	120
	AN64110U3C	AN64110U3A	AN64110U3D	AN64110U3B	4110	1100			190000	1300000	128
	AN64125U3C	AN64125U3A	AN64125U3D	AN64125U3B	4125	1250			285000	1950000	135
	AN64140U3C	AN64140U3A	AN64140U3D	AN64140U3B	4140	1400			365000	2405000	153
	AN64150U3C	AN64150U3A	AN64150U3D	AN64150U3B	4150	1500			460000	3050000	158
	AN64160U3C	AN64160U3A	AN64160U3D	AN64160U3B	4160	1600			580000	3850000	160
	AN64180U3C	AN64180U3A	AN64180U3D	AN64180U3B	4180	1800			875500	5245000	164
	AN64200U3C	AN64200U3A	AN64200U3D	AN64200U3B	4200	2000			1145000	6350000	175

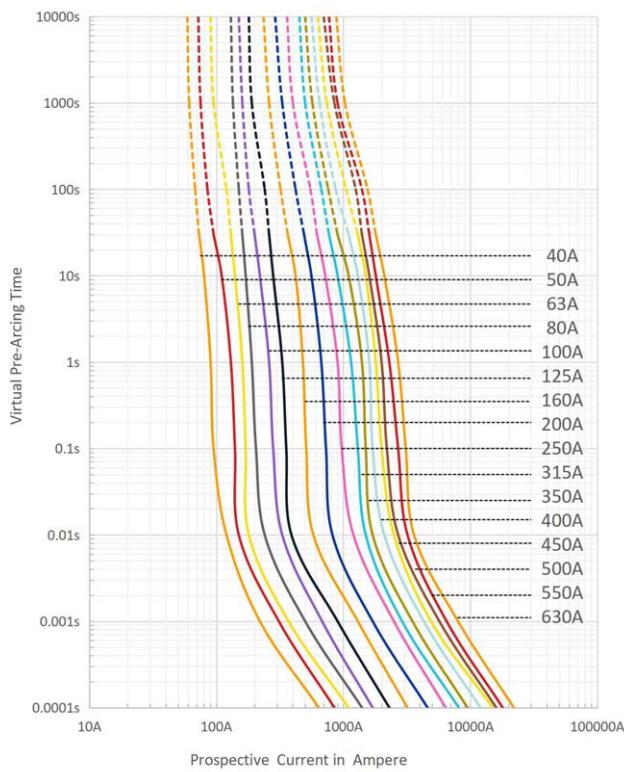
DIMENSIONS (mm)

AN6xxxxUxA
AN6xxxxUxB

AN6xxxxUxC
AN6xxxxUxD


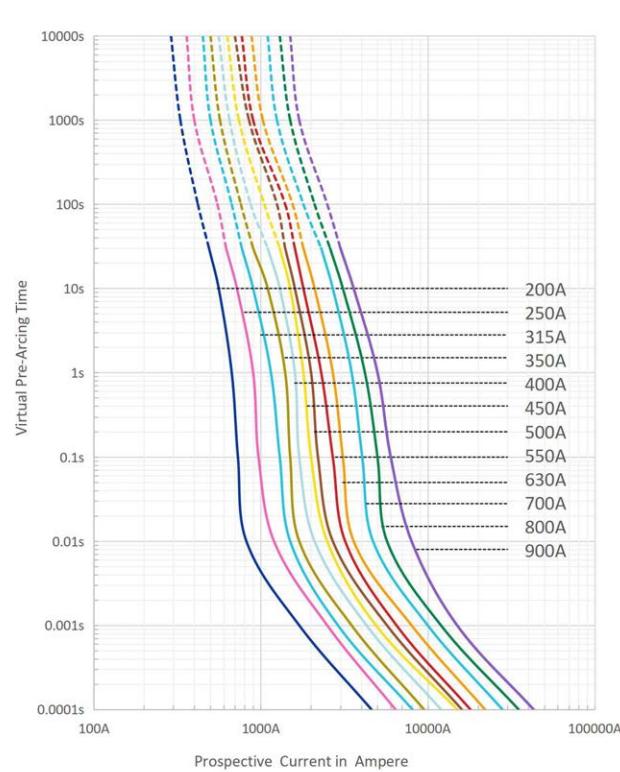
Part number	Fuse Size	A±2	B±2	C±2	D±2	E	F	G±2
AN6XXXXUxA AN6XXXXUxB	01	51	85	110	148	10	20	43
	1	51	100	125	157	11	25	51
	2	51	99	125	159	14	32	59
	3	51	97	125	155	16	38	74
AN6XXXXUxC AN6XXXXUxD	01	51	72	85	111	10	20	43
	1	51	75	110	135	11	25	51
	2	51	75	110	135	14	32	59
	3	51	75	110	135	16	38	74

TIME CURRENT CURVE

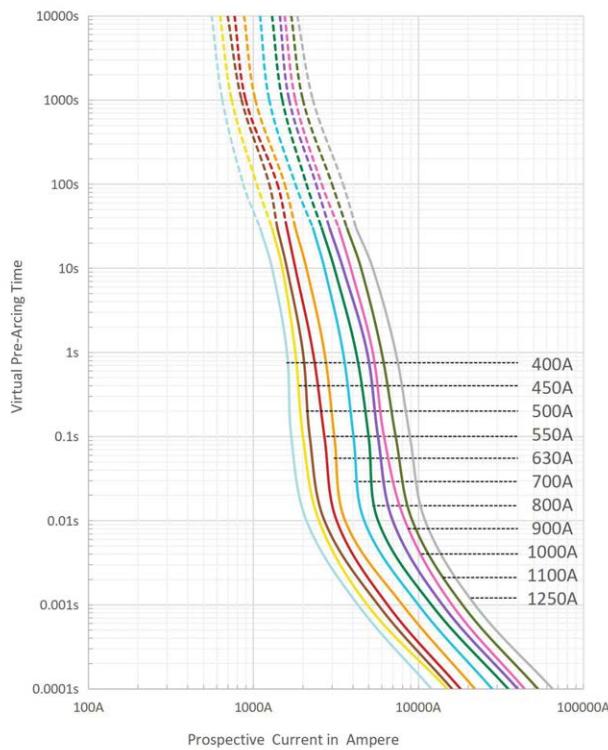
Size 01(40~630A)



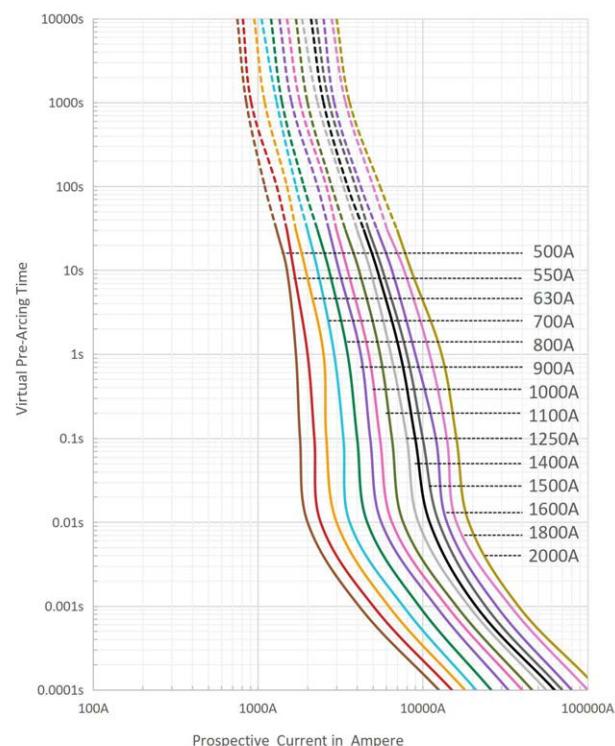
Size 1(200~900A)



Size 1(400~1250A)



Size 1(400~1250A)



PU

Industrial Power Fuses



APT 125 Vac/500 Vac Industrial Power Fuse

RoHS



FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 1.5kA
- QR code marks on each fuse for traceability

APPLICATIONS

- Telecom Power Protection

ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Pre-arcng It ²	Watt Loss(W)
	Single	PCB mount				Self-Certified	(A ² S)	1.0 I _n
10x38	APT2315A00	APT2315ADP	31.5A	2315	500 Vac 125 Vdc	1.5kA@500Vac 1.5kA@125Vdc	1500	5.2
	APT2320A00	APT2320ADP	32A	2320	500 Vac 125 Vdc	1.5kA@500Vac 1.5kA@125Vdc	1500	5.2
	APT2400A00	APT2400ADP	40A	2400	500 Vac 125 Vdc	1.5kA@500Vac 1.5kA@125Vdc	4600	5.7
	APT2500A00	APT2500ADP	50A	2500	500 Vac 125 Vdc	1.5kA@500Vac 1.5kA@125Vdc	2600	9
	APT2630A00	APT2630ADP	63A	2630	250Vac 125Vdc	2.5kA@250Vac 1.5kA@125Vdc	7500	9.8
	APT2800A00	APT2800ADP	80A	2800	250Vac 125Vdc	2.5kA@250Vac 1.5kA@125Vdc	24000	10.4

Table 1 Note(1).Typical Pre-arcng It² are measured at 10In Current.

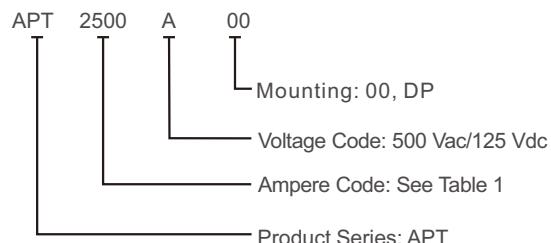
DESCRIPTION

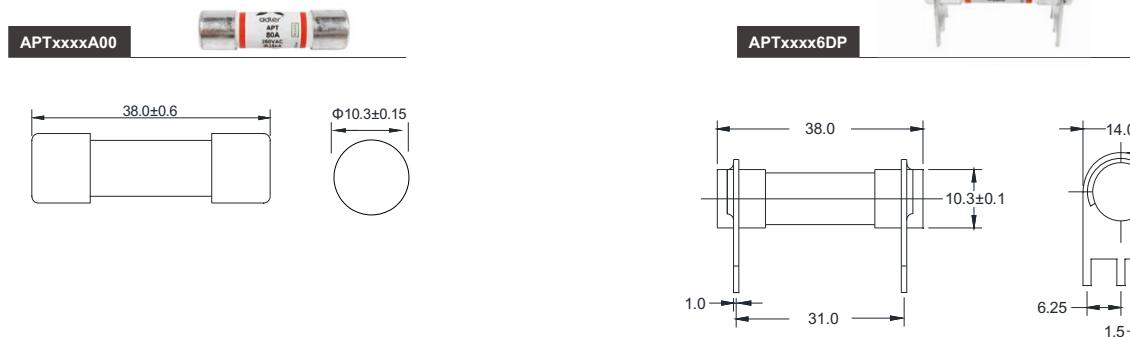
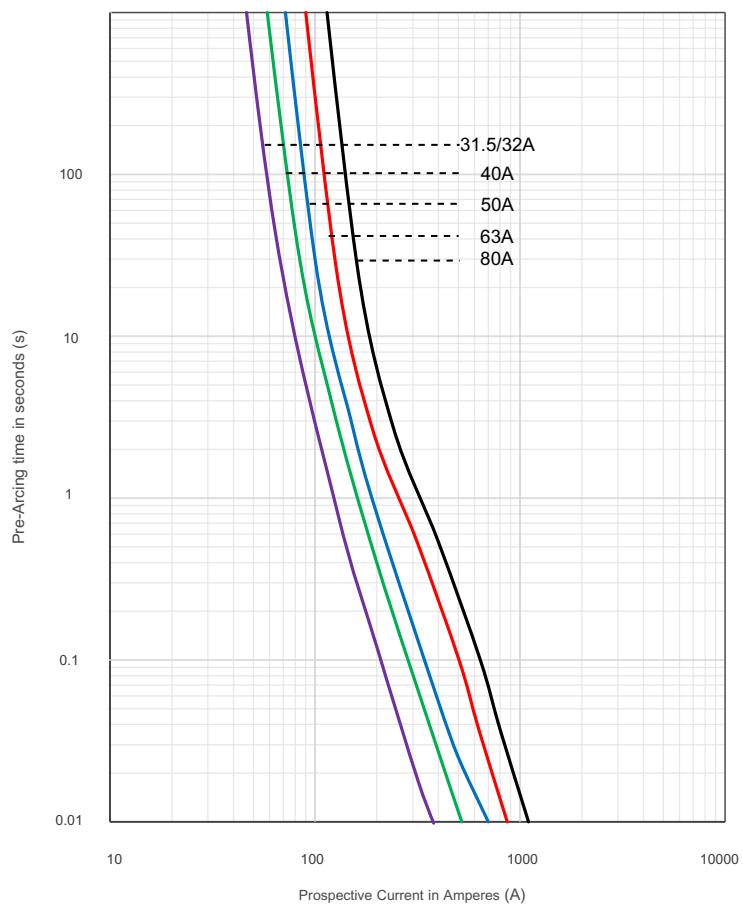
Adler APT series industrial fuses are engineered and manufactured for use in telecom power applications, made from the highest quality materials and tested to the highest standards. With rated currents from 31.5A to 80A with a breaking capacity of 1.5kA.

AGENCY INFORMATION

- Designed to UL 248-1
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



DIMENSIONS (mm)

TIME CURRENT CURVE


ANT 690/500Vac Industrial Power Fuse




DESCRIPTION

Adler ANT series gG NH fuse-links comply with national and international standards and regulations, with high technical standards and ensuring a consistently high quality. ANT series are mainly used in AC 50Hz, rated voltage up to 690V, rated current up to 630A and for protecting electric equipment from overload and short-circuit. It can reliably break the min. fusion current to any current within 120kA. Innovative high-tech products protect people and investments and ensure maximum availability.

FEATURES

- Reliable clearing of fault currents for cable and line protection
- Utilization category: gG
- Non-insulated metal gripping lug
- Copper fuse element
- Low watt losses
- QR code marks on each fuse for traceability

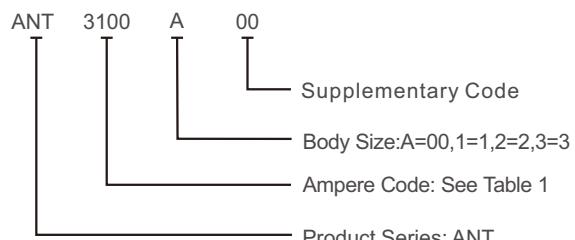
APPLICATIONS

- Power Supply Protection
- Desktop Meter Protection

AGENCY INFORMATION

- Designed to IEC 60269-1and IEC 60269-2, GB 13539.1, GB/T 13539.2
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

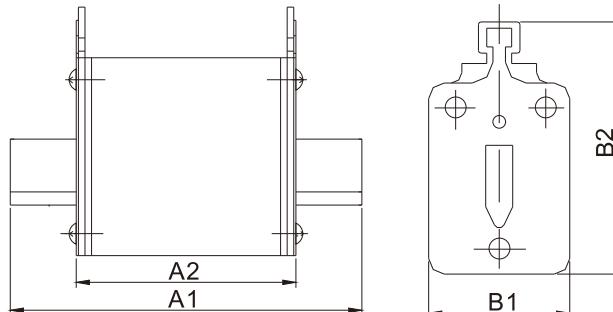
Size	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity
00	ANT1400A00	4A	1400	690 Vac 500 Vac	50kA@690 Vac 120kA@500 Vac
	ANT1600A00	6A	1600		
	ANT2100A00	10A	2100		
	ANT2160A00	16A	2160		
	ANT2200A00	20A	2200		
	ANT2250A00	25A	2250		
	ANT2320A00	32A	2320		
	ANT2350A00	35A	2350		
	ANT2400A00	40A	2400		
	ANT2500A00	50A	2500		
	ANT2630A00	63A	2630		
	ANT2800A00	80A	2800		
	ANT3100A00	100A	3100		
	ANT3125A00	125A	3125		
	ANT3160A00	160A	3160		

Table 1

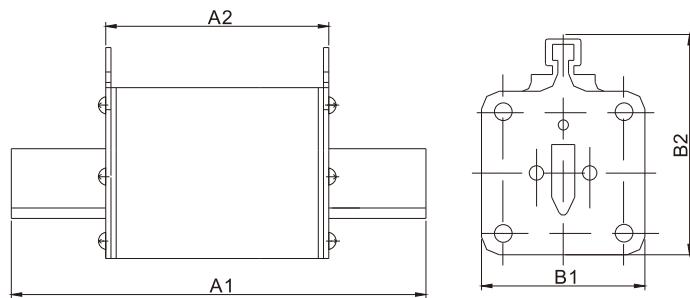
Size	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity
1	ANT2800100	80A	2800	690 Vac 500 Vac	50kA@690 Vac 120kA@500 Vac
	ANT3100100	100A	3100		
	ANT3125100	125A	3125		
	ANT3160100	160A	3160		
	ANT3200100	200A	3200		
	ANT3224100	224A	3224		
	ANT3250100	250A	3250		
2	ANT3125200	125A	3125	690 Vac 500 Vac	50kA@690 Vac 120kA@500 Vac
	ANT3160200	160A	3160		
	ANT3200200	200A	3200		
	ANT3224200	224A	3224		
	ANT3250200	250A	3250		
	ANT3300200	300A	3300		
	ANT3315200	315A	3315		
	ANT3355200	355A	3355		
	ANT3400200	400A	3400		
3	ANT3315300	315A	3315		
	ANT3355300	355A	3355		
	ANT3400300	400A	3400		
	ANT3500300	500A	3500		
	ANT3630300	630A	3630		

Table 2

DIMENSIONS (mm)

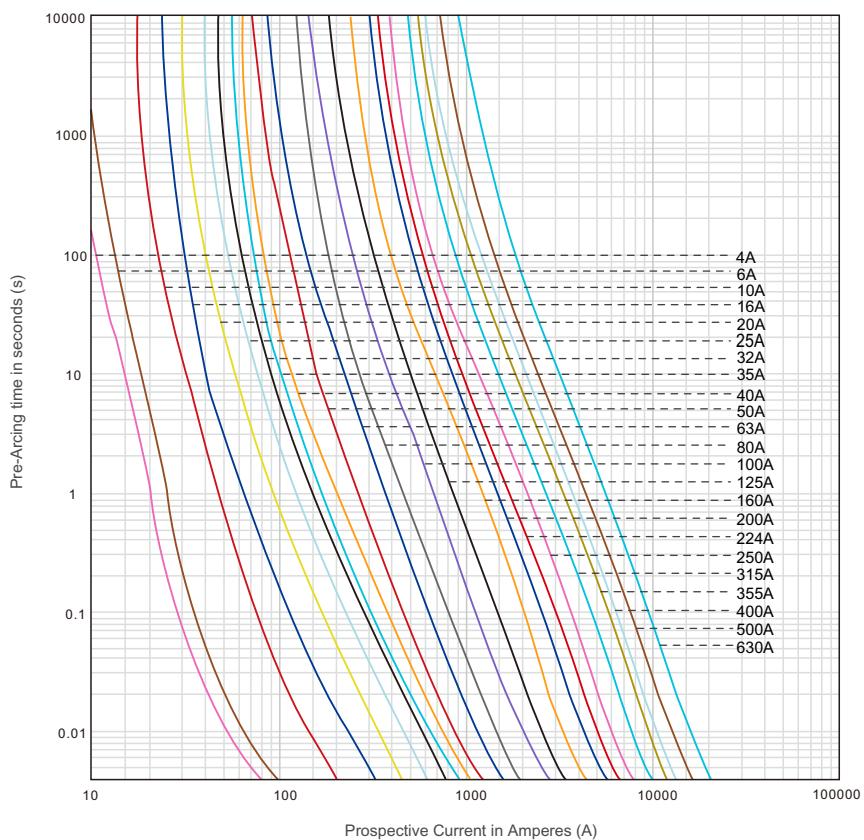


Size	A1±1mm	A2±1mm	B1±1mm	B2±1mm
00	78.5	49	29	57



Size	A1±1mm	A2±1mm	B1±1mm	B2±1mm
1	135	68	48	62
2	150	68	58	71
3	150	68	67	85

TIME CURRENT CURVE



APE 600Vac/dc Industrial Power Fuse



FEATURES

- Reliable clearing of DC and AC fault currents
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 50kA
- Material: Phosphor Bronzes
- Surface plating: Bright Tin
- Thickness: 0.80mm

APPLICATIONS

- Power Supply Protection
- Desktop Meter Protection

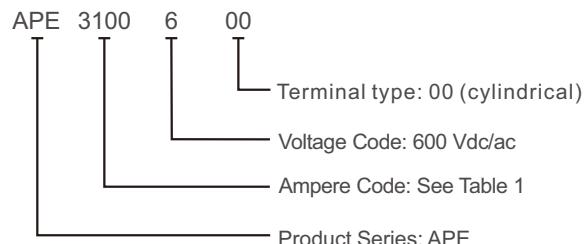
DESCRIPTION

Adler APE series power fuses are specially engineered and tested to provide excellent protection performance in protecting power supplier systems and desktop meters etc. With currents from 2A to 30A with a breaking capacity of 50kA.

AGENCY INFORMATION

- Designed to UL248-13
- UL certified (2A~30A)
- RoHS Compliant

PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	It²(A²S)		Watt Loss(W)
Cylindrical	PCB Mount					UL**	Pre-arcng	
APE1200600	APE12006TH	2A	1200	600VDC/AC	50kA	0.8	3	1.1
APE1300600	APE13006TH	3A	1300	600VDC/AC	50kA	3.3	10	1.3
APE1400600	APE14006TH	4A	1400	600VDC/AC	50kA	5.5	16	1.4
APE1500600	APE15006TH	5A	1500	600VDC/AC	50kA	10	32	1.4
APE1600600	APE16006TH	6A	1600	600VDC/AC	50kA	25	80	1.8
APE1800600	APE18006TH	8A	1800	600VDC/AC	50kA	80	210	2.2
APE2100600	APE21006TH	10A	2100	600VDC/AC	50kA	32	80	2.3
APE2120600	APE21206TH	12A	2120	600VDC/AC	50kA	95	200	2.8
APE2150600	APE21506TH	15A	2150	600VDC/AC	50kA	270	550	3
APE2200600	APE22006TH	20A	2200	600VDC/AC	50kA	720	1500	3.6
APE2250600	APE22506TH	25A	2250	600VDC/AC	50kA	1010	2100	4.1
APE2300600	APE23006TH	30A	2300	600VDC/AC	50kA	1200	2450	5.7

Table 1 Note(1).**---UL File number: E485737

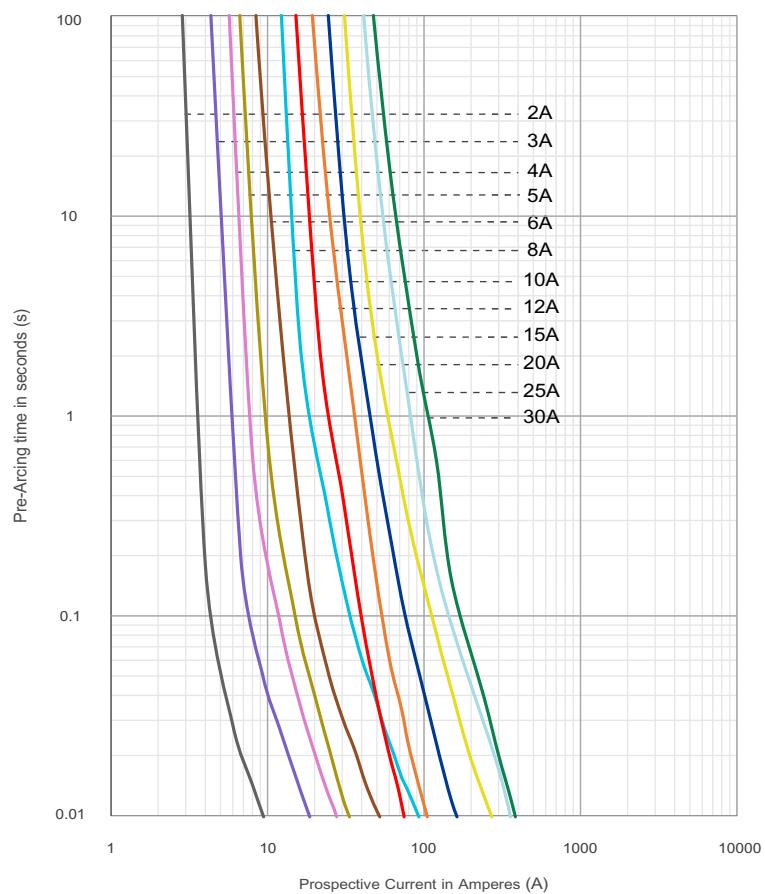
DIMENSIONS (mm)



TIME VS CURRENT CHARACTERISTIC

Part Number	100%	135%	200%
APExxxx6xx	>4H	<1H	<2min

TIME CURRENT CURVE



ACC 600 Vac/300 Vdc Industrial Power Fuse

RoHS



FEATURES

- Fast-acting fuse
- 600 Vac / 300Vdc fuse
- Rated Current: 0.2-30 A
- Breaking Capacity: 200 kA@600 Vac; 100 kA@300 Vdc
- Melamine tube; Silver-plated cooper endcaps
- Dimensions: 10x38mm

APPLICATIONS

- ESS and BESS circuit protection
- Inverter Protection
- Power storage protection

ELECTRICAL SPECIFICATIONS

Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity
ACC0200A04	0.2 A	200		
ACC0250A04	0.25 A	250		
ACC0300A04	0.3 A	300		
ACC0400A04	0.4 A	400		
ACC0500A04	0.5 A	500		
ACC0600A04	0.6 A	600		
ACC0750A04	0.75 A	750		
ACC1100A04	1 A	1100		
ACC1150A04	1.5 A	1150		
ACC1200A04	2 A	1200		
ACC1250A04	2.5 A	1250		
ACC1300A04	3 A	1300		
ACC1350A04	3.5 A	1350		
ACC1400A04	4 A	1400		
ACC1500A04	5 A	1500		
ACC1600A04	6 A	1600		
ACC1700A04	7 A	1700		
ACC1800A04	8 A	1800		
ACC1900A04	9 A	1900		
ACC2100A04	10 A	2100		
ACC2120A04	12 A	2120		
ACC2150A04	15 A	2150		
ACC2160A04	16 A	2160		
ACC2180A04	18 A	2180		
ACC2200A04	20 A	2200		
ACC2250A04	25 A	2250		
ACC2300A04	30A	2300		
			600 Vac / 300 Vdc	200 kA@600 Vac 100 kA@300 Vdc

Table1

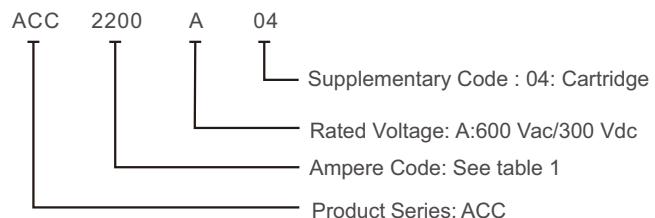
DESCRIPTION

Adler ACC series power fuses are specially engineered and tested to provide excellent protection performance in protecting power supplier systems and desktop meters etc. With currents from 0.2A to 30A with a breaking capacity of 200kA.

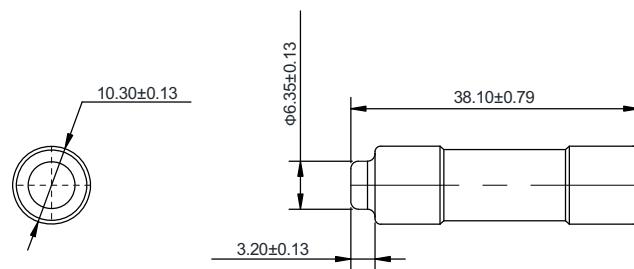
AGENCY INFORMATION

- Ref. to: UL 248-4
- Approval: UL(pending)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

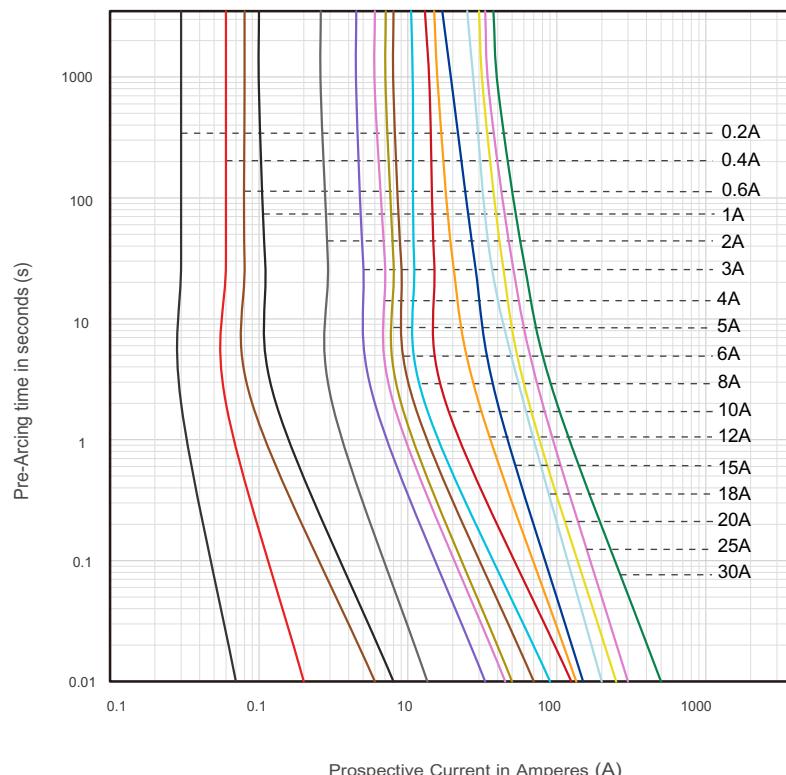
PART NUMBER SYSTEM



DIMENSIONS (mm)



TIME CURRENT CURVE



GGC 690 Vac Industrial Power Fuse 10x38 mm



FEATURES

- Low voltage general purpose fuses
- (gG) fuse-links with a full-range breaking capacity for general application
- General purpose fuse-links used for the protection of cables against short-circuits

APPLICATIONS

- Cable and Circuit General Protection

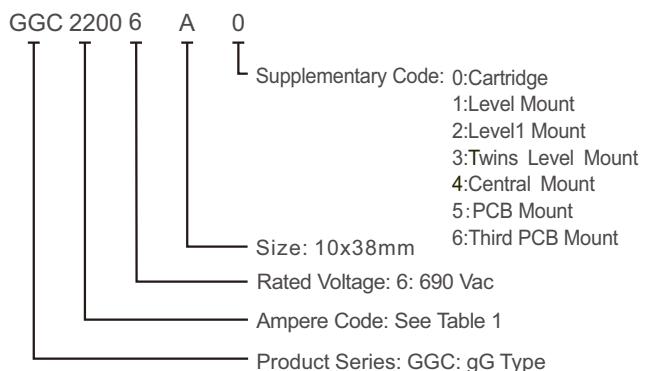
DESCRIPTION

Adler GGC series Industrial fuses are engineered and manufactured for use in the general protection of cables and circuits, made from the highest quality materials and tested to the highest standards. With rated currents from 2A to 63A with a breaking capacity of 100kA.

AGENCY INFORMATION

- Ref. to IEC 60269-2 / GBT13539.2
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

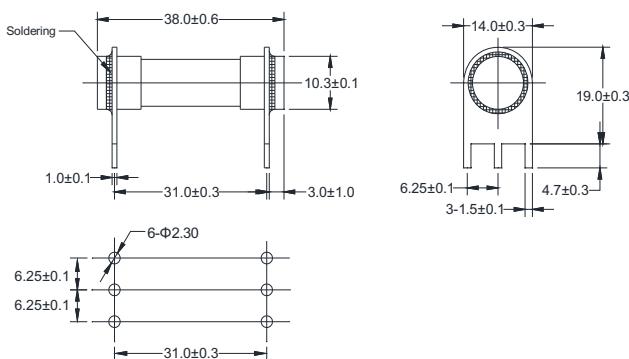
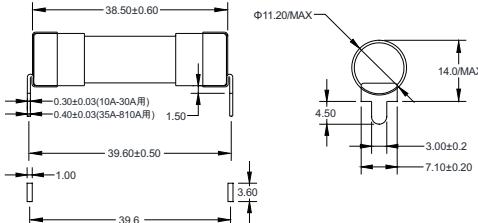
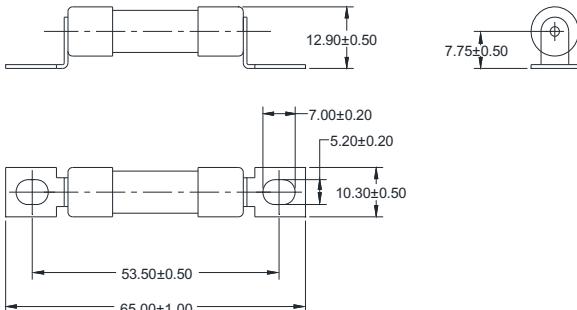
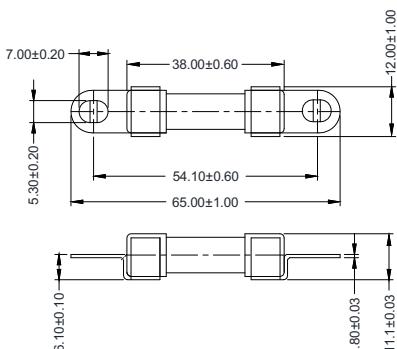
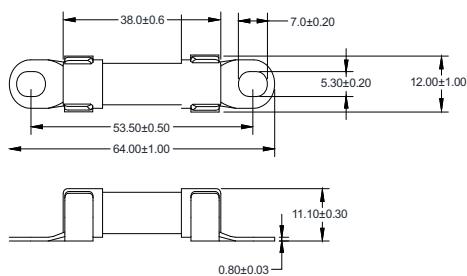
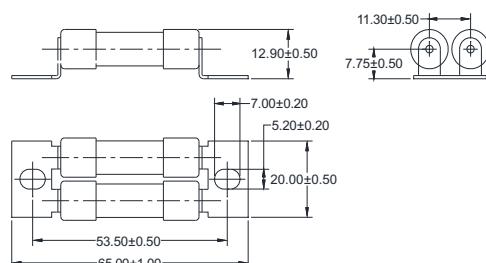
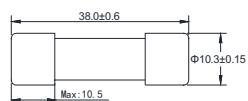
PART NUMBERING SYSTEM



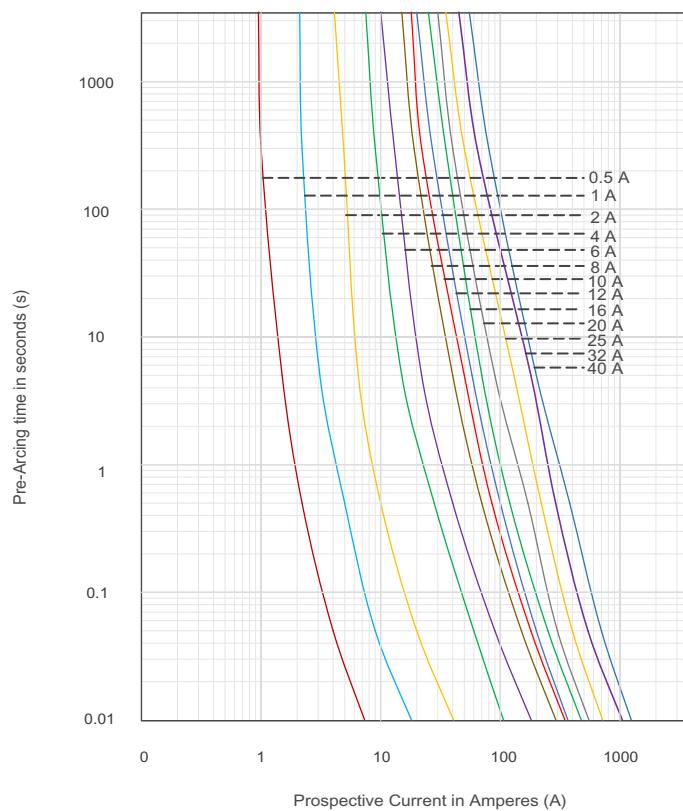
ELECTRICAL SPECIFICATIONS

Part Number							Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level	Level1	Twins Leve	Central	PCB	PCB1					TUV
GGC05006A0	GGC05006A1	GGC05006A2	GGC05006A3	GGC05006A4	GGC05006A5	GGC05006A6	0.5A	500	690 Vac	100 kA@ 690 Vac	○
GGC11006A0	GGC11006A1	GGC11006A2	GGC11006A3	GGC11006A4	GGC11006A5	GGC11006A6	1A	1100			○
GGC12006A0	GGC12006A1	GGC12006A2	GGC12006A3	GGC12006A4	GGC12006A5	GGC12006A6	2A	1200			○
GGC14006A0	GGC14006A1	GGC14006A2	GGC14006A3	GGC14006A4	GGC14006A5	GGC14006A6	4A	1400			○
GGC16006A0	GGC16006A1	GGC16006A2	GGC16006A3	GGC16006A4	GGC16006A5	GGC16006A6	6A	1600			○
GGC18006A0	GGC18006A1	GGC18006A2	GGC18006A3	GGC18006A4	GGC18006A5	GGC18006A6	8A	1800			○
GGC21006A0	GGC21006A1	GGC21006A2	GGC21006A3	GGC21006A4	GGC21006A5	GGC21006A6	10A	2100			○
GGC21206A0	GGC21206A1	GGC21206A2	GGC21206A3	GGC21206A4	GGC21206A5	GGC21206A6	12A	2120			○
GGC21606A0	GGC21606A1	GGC21606A2	GGC21606A3	GGC21606A4	GGC21606A5	GGC21606A6	16A	2160			○
GGC22006A0	GGC22006A1	GGC22006A2	GGC22006A3	GGC22006A4	GGC22006A5	GGC22006A6	20A	2200			○
GGC22506A0	GGC22506A1	GGC22506A2	GGC22506A3	GGC22506A4	GGC22506A5	GGC22506A6	25A	2250			○
GGC23206A0	GGC23206A1	GGC23206A2	GGC23206A3	GGC23206A4	GGC23206A5	GGC23206A6	32A	2320			○
GGC24006A0	GGC24006A1	GGC24006A2	GGC24006A3	GGC24006A4	GGC24006A5	GGC24006A6	40A	2400			○

Table1 Note:(1)○ = certification in process.

DIMENSIONS (mm)


TIME CURRENT CURVE



GGC 690 Vac Industrial Power Fuse 14x51 mm




FEATURES

- Low voltage general purpose fuses
- (gG) fuse-links with a full-range breaking capacity for general application
- General purpose fuse-links used for the protection of cables against short-circuits

APPLICATIONS

- Cable and Circuit General Protection

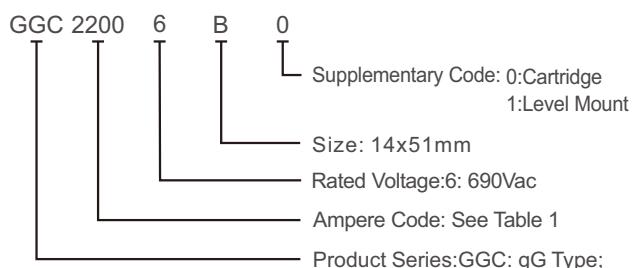
DESCRIPTION

Adler GGC series Industrial fuses are engineered and manufactured for use in the general protection of cables and circuits, made from the highest quality materials and tested to the highest standards. With rated currents from 2A to 63A with a breaking capacity of 100kA.

AGENCY INFORMATION

- Ref. to IEC 60269-2 , GB/T13539.2
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

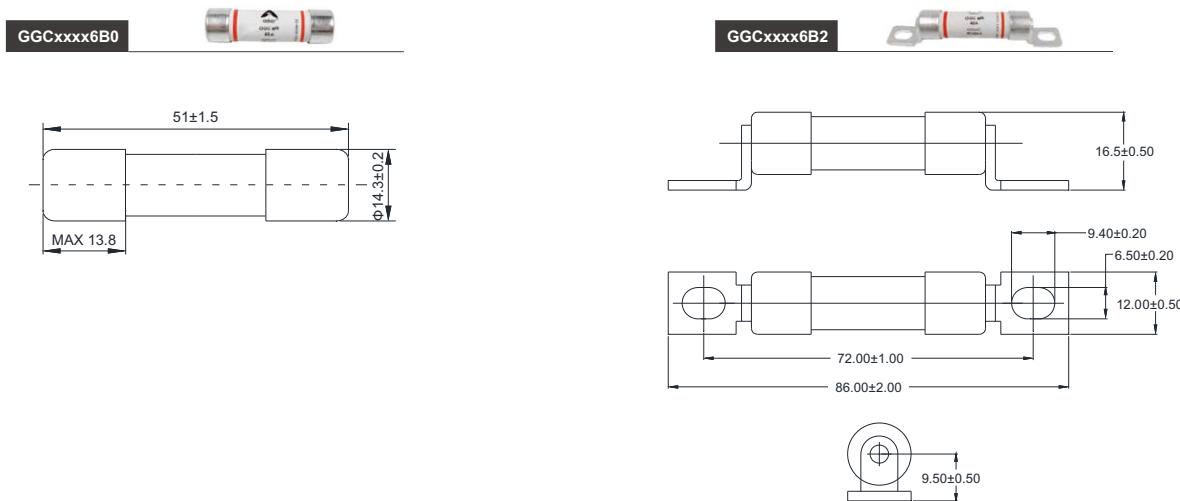
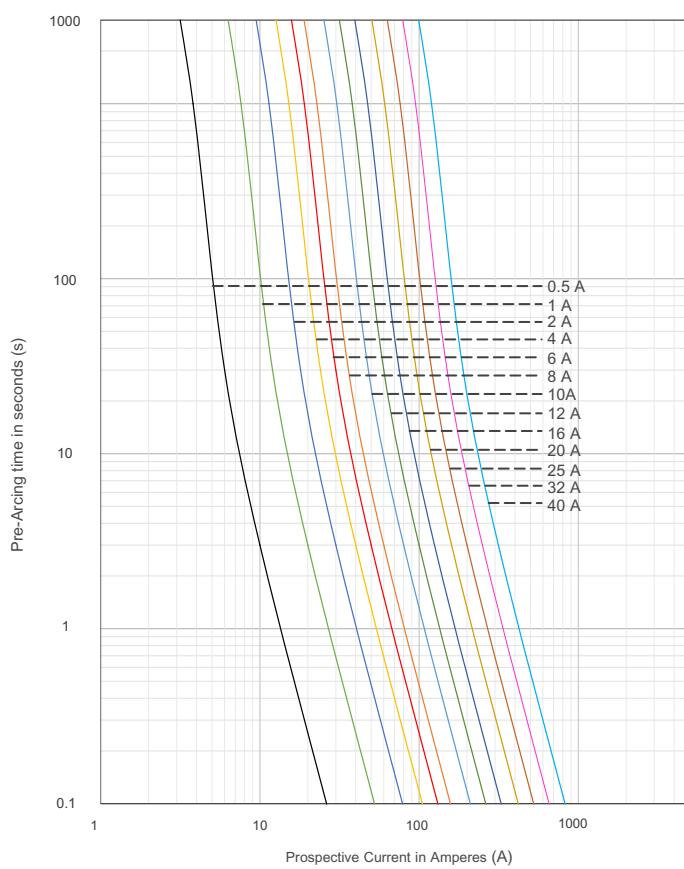
PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level Mount					TUV
GGC12006B0	GGC12006B0	2A	1200	690 Vac	100 kA@690 Vac	○
GGC14006B0	GGC14006B2	4A	1400			○
GGC16006B0	GGC16006B2	6A	1600			○
GGC18006B0	GGC18006B2	8A	1800			○
GGC21006B0	GGC21006B2	10A	2100			○
GGC21206B0	GGC21206B2	12A	2120			○
GGC21606B0	GGC21606B2	16A	2160			○
GGC22006B0	GGC22006B2	20A	2200			○
GGC22506B0	GGC22506B2	25A	2250			○
GGC23206B0	GGC23206B2	32A	2320			○
GGC24006B0	GGC24006B2	40A	2400			○
GGC25006B0	GGC25006B2	50A	2500			○
GGC26306B0	GGC26306B2	63A	2630			○

Table1 Note:(1)○ = certification in process.

DIMENSIONS (mm)

TIME CURRENT CURVE


GGC 690 Vac Industrial Power Fuse 22x58 mm




DESCRIPTION

Adler GGC series Industrial fuses are engineered and manufactured for use in the general protection of cables and circuits, made from the highest quality materials and tested to the highest standards. With rated currents from 16A to 125A with a breaking capacity of 100kA.

FEATURES

- Low voltage general purpose fuses
- (gG) fuse-links with a full-range breaking capacity for general application
- General purpose fuse-links used for the protection of cables against short-circuits

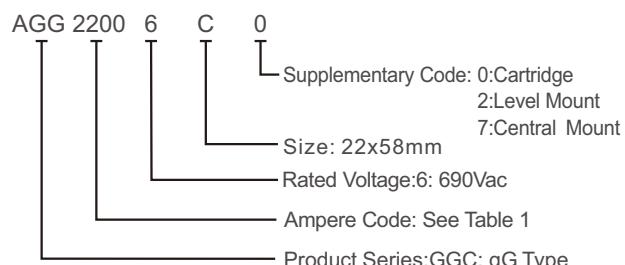
APPLICATIONS

- Cable and Circuit General Protection

AGENCY INFORMATION

- Ref. to IEC 60269-2 , GB/T13539.2
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

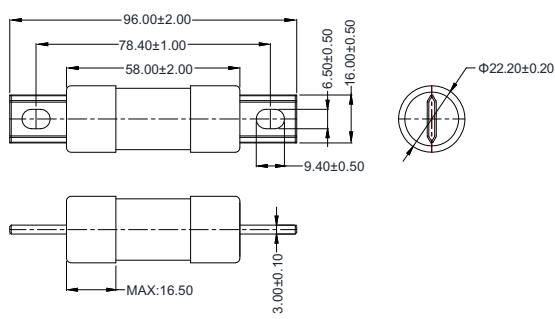
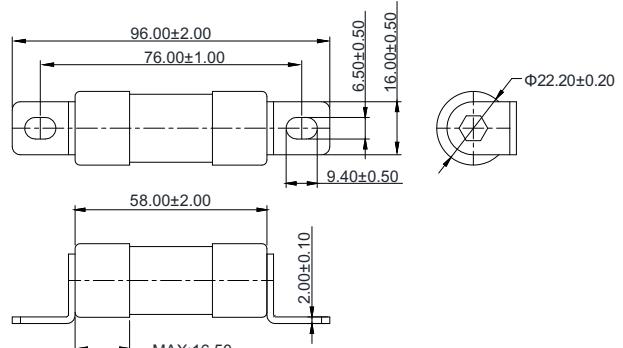
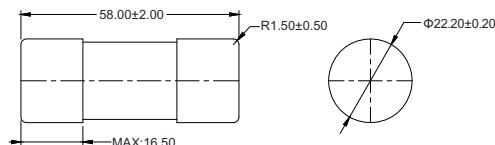
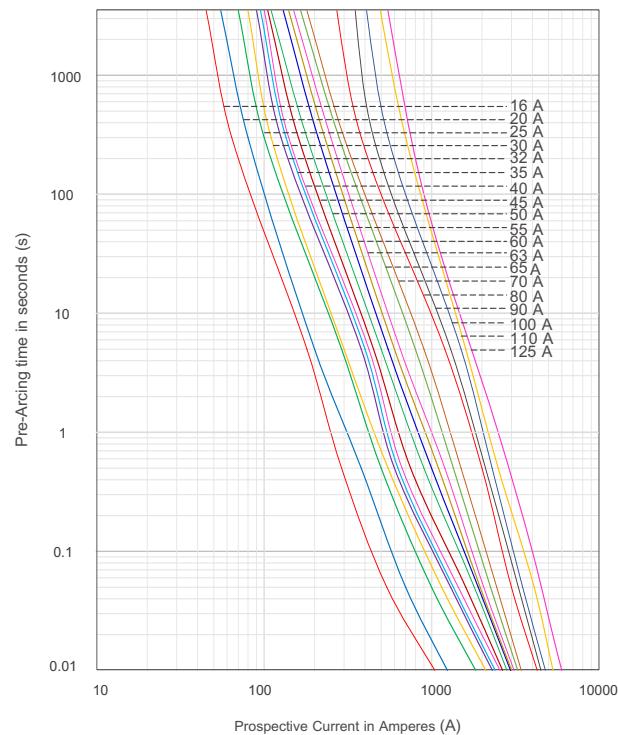
PART NUMBERING SYSTEM



ELECTRICAL SPECIFICATIONS

Part Number			Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certification
Cartridge	Level Mount	Central					
GGC21606C0	GGC21606C0	GGC21606C7	16A	2160	690 Vac	100 kA@690 Vac	○
GGC22006C0	GGC22006C2	GGC22006C7	20A	2200			○
GGC22506C0	GGC22506C2	GGC22506C7	25A	2250			○
GGC23006C0	GGC23006C2	GGC23006C7	30A	2300			○
GGC23206C0	GGC23206C2	GGC23206C7	32A	2320			○
GGC23506C0	GGC23506C2	GGC23506C2	35A	2350			○
GGC24006C0	GGC24006C2	GGC24006C7	40A	2400			○
GGC24506C0	GGC24506C2	GGC24506C7	45A	2450			○
GGC25006C0	GGC25006C2	GGC25006C7	50A	2500			○
GGC26006C0	GGC26006C2	GGC26006C7	55A	2550			○
GGC25506C0	GGC25506C2	GGC25506C7	60A	2600			○
GGC26306C0	GGC26306C2	GGC26306C7	63A	2630			○
GGC26506C0	GGC26506C2	GGC26506C7	65A	2650			○
GGC27006C0	GGC27006C2	GGC27006C7	70A	2700			○
GGC28006C0	GGC28006C2	GGC28006C7	80A	2800			○
GGC29006C0	GGC29006C2	GGC29006C7	90A	2900			○
GGC31006C0	GGC31006C2	GGC31006C7	100A	3100			○
GGC31106C0	GGC31106C2	GGC31106C7	110A	3110			○
GGC31256C0	GGC31256C2	GGC31256C7	120A	3125			○

Table1 Note:(1)○ = certification in process.

DIMENSIONS (mm)

TIME CURRENT CURVE


APD 1000 Vac/Vdc Industrial Power Fuse




FEATURES

- Reliable clearing of AC & DC fault currents
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity up to 30kA
- QR code marks on each fuse for traceability

APPLICATIONS

- DMI (Digital Multimeter and Instrument) Protection

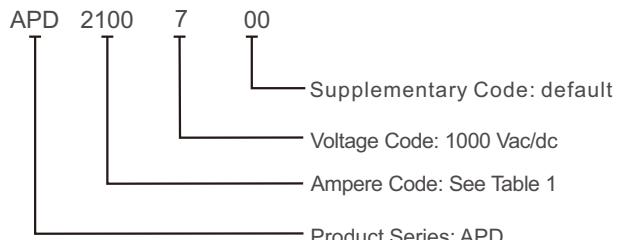
DESCRIPTION

Adler APD series fuses are specially engineered and tested to provide best protection and high breaking capacity in DMI (Digital Multimeter and Instrument) applications. With currents from 0.44A to 15A with a breaking capacity of 30kA.

AGENCY INFORMATION

- Designed to IEC 60269-4: UL 248
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM

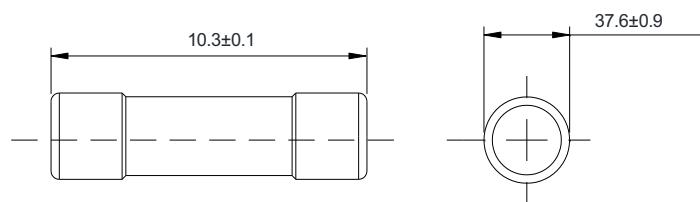


ELECTRICAL SPECIFICATIONS

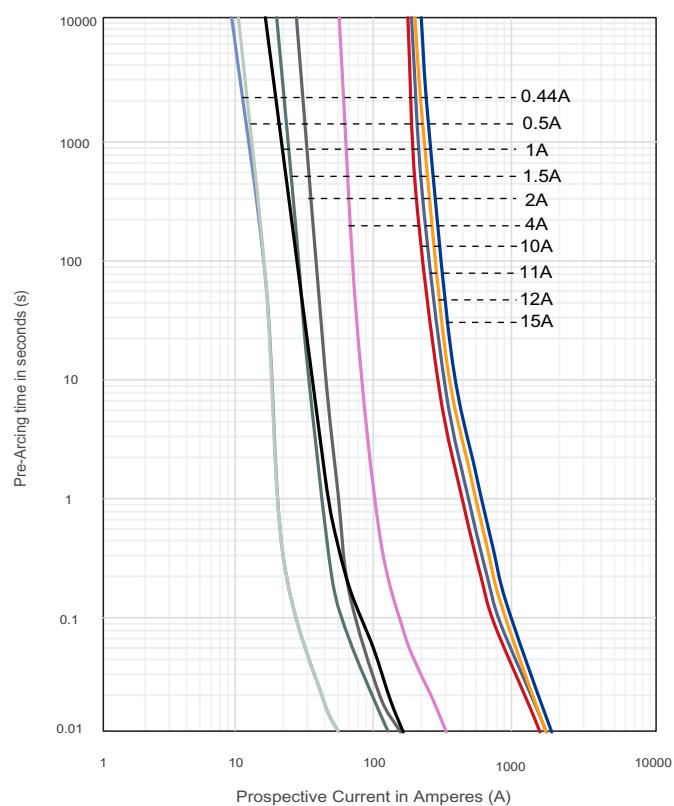
Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Capacity
					UL**
10x38	APD0440700	0.44A	440	1000Vac/dc	30kA
	APD0500700	0.5A	500	1000Vac/dc	30kA
	APD1100700	1A	1100	1000Vac/dc	30kA
	APD1150700	1.5A	1150	1000Vac/dc	30kA
	APD1200700	2A	1200	1000Vac/dc	30kA
	APD1400700	4A	1400	1000Vac/dc	30kA
	APD2100700	10A	2100	1000Vac/dc	30kA
	APD2110700	11A	2110	1000Vac/dc	30kA
	APD2120700	12A	2120	1000Vac/dc	30kA
	APD2150700	15A	2150	1000Vac/dc	30kA

Table 1 Note:(1)** --- UL File: E485737

DIMENSIONS (mm)



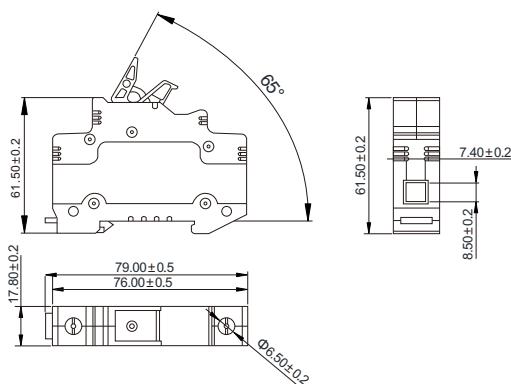
TIME CURRENT CURVE



BH100-03 Fuse Holder




DIMENSIONS (mm)



DESCRIPTION

The BH100-03 series touch safe holder is designed for 10x38mm cylindrical fuse links, especially for use with industrial AC and DC applications.

This holder has an indicator light. It will light up when the circuit is interrupted.

FEATURES

- Available Models: 1P, 2P, 3P
- Part Number: BH100-031P, BH100-032P, BH100-033P
- Rated: 600Vac, 32A/1000Vdc, 30A / 1100Vdc, 32A
- Short Circuit Current Rating (SCCR):
100kA@600Vdc / 30kA@1000Vdc / 20kA@1100Vdc
- Wire Range: 18-8AWG (1.5-10 mm²)
- Max. Torque: 3.4 N·m
- Maximum Heat Dissipation: 6W
- Operation Temperature: -40°C to +130°C
- Material Flammability: UL 94-V0
- Degree of protection IP20
- Mounting: DIN Rail mounting
- Standard: UL 4248-18; EN 60947-3

AGENCY INFORMATION

- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

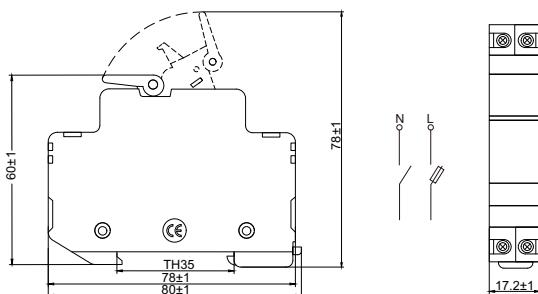
APPLICATIONS

- Converter box installations

BH100-ACC FUSE HOLDER




DIMENSIONS (mm)



DESCRIPTION

The BH100-ACC series touch safe holder is designed for 10x38mm cylindrical fuse links, especially for use with industrial AC applications.

FEATURES

- Application to 690 Vac, 10x38 mm fuse links
- Max. Current: 32 A
- Rated Voltage: 690 Vac
- DIN Rail Mount
- Customizable for special applications

AGENCY INFORMATION

- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

APPLICATIONS

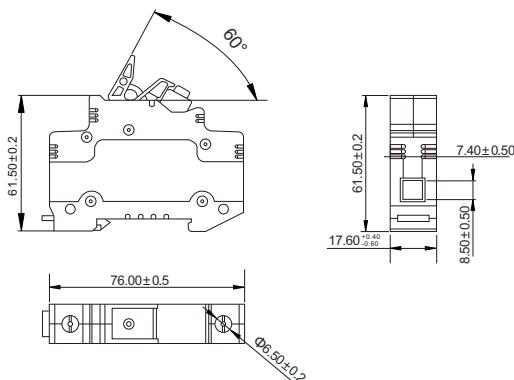
- Converter box installations

BH100-04 Fuse Holder



DIMENSIONS (mm)

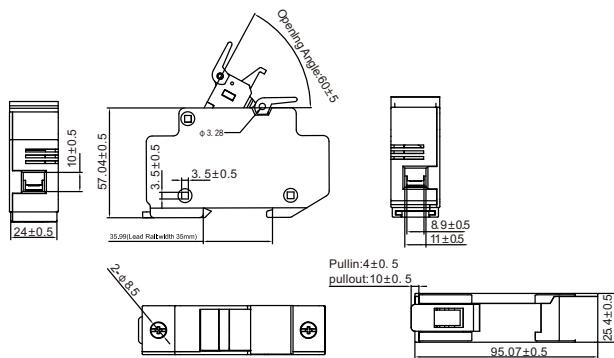


BH200-03/BH201-03 Fuse Holder



DIMENSIONS (mm)



DESCRIPTION

BH100-04 touch safe holders are designed for 10x38mm ACC midget fuses.

SPECIFICATIONS

- Rated Voltage: 600 Vac / 300 Vdc
- Rated Current: up to 30A
- Short Circuit Current Rating (SCCR): 200kA@600 Vac / 100kA@300Vdc
- Standards: UL 4248-18, EN 60947-3
- Wire Range: 18 - 8 AWG
- Rated Torque: 2 Nm
- Max. Dissipation: 6 W
- Shell Material: PBT
- Temperature Tolerance: -40°C to +75°C
- Material Flammability: UL 94-V0
- Mounting: DIN Rail mounting
- Degree of protection IP20

Note: SCCR is limited to the interrupting rating of the installed fuse or 200kA, whichever is less.

DESCRIPTION

BH200-03 and BH201-03 touch safe holders are designed for 14x51mm cylindrical fuse links.

BH201-03 touch safe holder has an indicator light. It will light up when the circuit is interrupted.

SPECIFICATIONS:

- Rated Voltage: 1500 Vdc/ 690Vac
- Rated Current: 32A
- Rated Breaking Capacity: 10 kA
- Wire Range: 13-5 AWG(2-20mm²)
- Max. Torque: 3.4 Nm
- Maximum Heat Dissipation: 8 W
- Temperature Tolerance: -40°C to 130 °C
- Material Flammability: UL 94 V0
- Mounting: DIN Rail mounting
- Standards: UL 4248-19, EN 60947-3

FEATURES:

ADLER's BH200-03 and BH201-03 touch safe fuse holders are designed for all standard 14x51mm cylindrical fuse up to Ø14x51 mm, with current ratings up to 30 A, it can effectively protect 1500 Vdc/ 690Vac circuits and equipment.

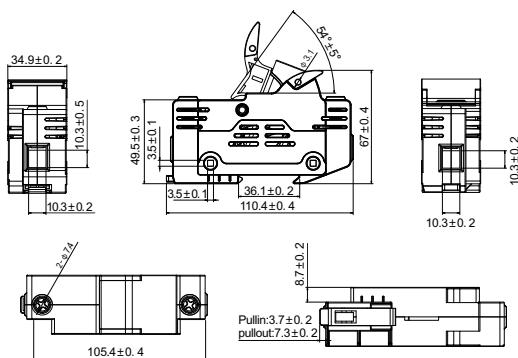
Note:

For other voltages or breaking Capacity, please contact us.

BH400-03/BH401-03 Fuse Holder



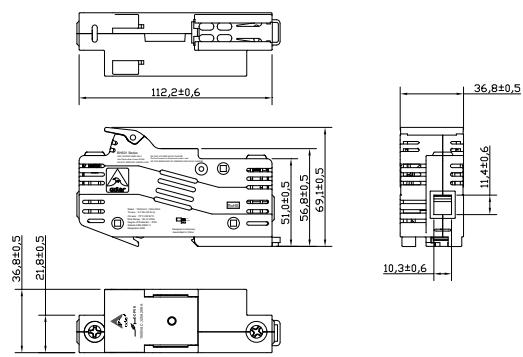

DIMENSIONS (mm)



BH500/BH501 Fuse Holder




DIMENSIONS (mm)



DESCRIPTION:

BH400-03 and BH401-03 touch safe holders are designed for 22x58mm cylindrical fuse links. BH401-03 touch safe holder also has an indicator light. It will light up when the circuit is interrupted.

SPECIFICATIONS:

- Rated Voltage: 1500 Vdc
- Rated Current: 80A
- Rated Breaking Capacity: 10 kA
- Wire Range: 11-1 AWG (4-40 mm²)
- Max. Torque: 4 N.m
- Max. Dissipation: 8 W
- Temperature Tolerance: -40 °C to 130 °C
- Material Flammability: UL 94-V0
- Mounting: DIN Rail mounting
- Standards: UL 4248-19; EN 60947-3

FEATURES:

Adler's BH400-03 and BH401-03 touch safe fuse holders are designed for all standard 22x58mm cylindrical fuses up to 22x58 mm. With current ratings up to 80 A, it can effectively protect 1500 Vdc/ 690Vac circuits and equipment in photovoltaic applications.

Note:

For other voltages or breaking Capacity, please contact us.

DESCRIPTION:

The BH500/BH501 touch safe holder is designed for 24X65mm cylindrical fuse links. BH501 touch safe holder has an indicator light. It will light up when the circuit is interrupted.

SPECIFICATIONS:

- Rated Voltage: 1500 Vdc
- Rated Current: up to 125 A
- Short Circuit Current Rating (SCCR): DC 30 kA
- Standards: UL 4248-19 and EN 60947-1 -3 (30 kA at 1500 Vdc)
- Max. Dissipation: 25 W
- Material Flammability: UL 94-V0
- Mounting: DIN Rail mounting
- Max. Torque: 4 N.m
- Wire Range: 2-12AWG
- Temperature Tolerance: -40 °C to +130 °C

FEATURES:

ADLER BH500/BH501 touch safe fuse holder is designed for all standard 24X65mm cylindrical fuses. With current ratings up to 125A at 1500 Vdc, this holder provides the most compact and effective solution to protect 1500 Vdc circuits and equipment in photovoltaic applications.

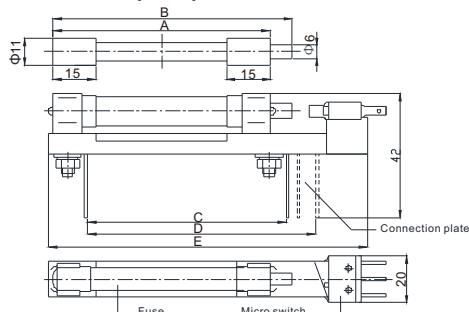
Note:

SCCR is limited to the interrupting rating of the installed fuse or 30 kA, whichever is less.

ARX1 Fuse Alarm Impactor




DIMENSIONS (mm)



Model No.	A max.	B max.	C min.	D max.	E max.
ARX1-1000	80	88	53.5	77.5	114

DESCRIPTION

Adler ARX1 series Fuse Alarm Impactor, rated voltage 1000 Vac/dc. The ARX1 Fuse Alarm Impactor can be directly connected to the fuse link in parallel. When the fuse link blows, the ARX1 Fuse Alarm Impactor acts at the same time, activating the micro switch which then activates other auxiliary electrical appliances to work. Other auxiliary electrical appliances can be lights, switches etc.

FEATURES

- Easy installation
- Wide compatibility
- Output alarm signal

AGENCY INFORMATION

- Designed to GB/T 13539, IEC 60269
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

ELECTRICAL SPECIFICATIONS

Fuse Alarm Impactor Parameters

Model No.	Rated Voltage	Minimum Operational Voltage	Resistance Value
ARX1-1000	1000 V	12 V	0.5-2 Ω

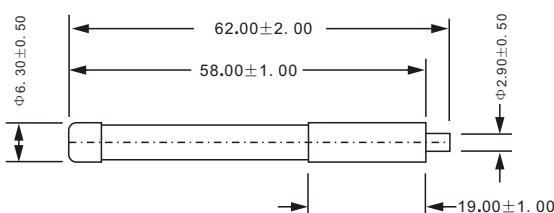
Small Micro Switch Parameters

Rated Operational Voltage	Mechanical life	Rated Current
250 V	200000 times	1A

ARX2 Fuse Alarm Impactor




DIMENSIONS (mm)



DESCRIPTION

ADLER ARX2 series Fuse Alarm Impactor, rated voltage 1000Vac/dc. The ARX2 Fuse Alarm Impactor can be directly connected to the fuse link in parallel. When the fuse link blows, the ARX2 Fuse Alarm Impactor acts at the same time, activating the micro switch which then activates other auxiliary electrical appliances to work.

FEATURES

- Pre-installed on the main fuse-link
- Wide compatibility
- Output alarm signal
- Designed to GB/T 13539, IEC 60269

PART NUMBERING SYSTEM

ARX	2	1000	XX	Supplementary Code
				Rated Voltage: 1000V
				Design No.: 2
				Product Series: ARX

MS0003 ESS Fuse Switches

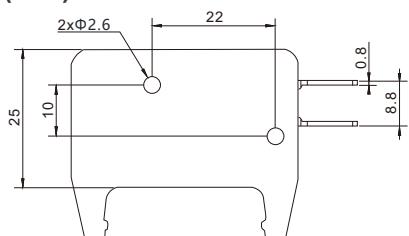
 RoHS



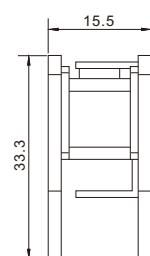
FEATURES

- For use with square-body fuses
- Switch rating: 250Vdc, 2A
- Operating temperature range: -25°C to +125°C
- Preservative Temperature Range: -25°C to +125°C
- Operating Relative Humidity: ≤85%RH
- Advantages: Easy assembly and high reliability
- Test conditions: Unless otherwise specified, the atmospheric conditions for making measurements and tests are as follows:
Ambient Temperature: 5~35°C
Relative Humidity: 45~85%
Air Pressure: 86~106Kpa

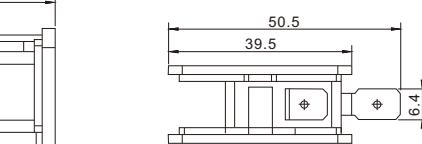
DIMENSIONS (mm)



Back view



Side view



Top view

MS0005 ESS Fuse Switches

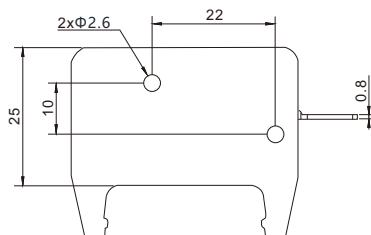
 RoHS



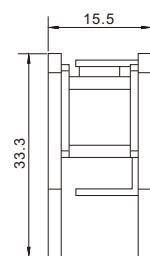
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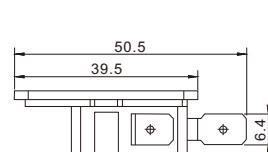
DIMENSIONS (mm)



Back view



Side view



Top view

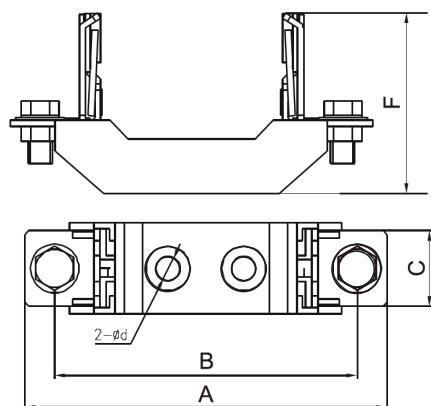
BNT Fuse holder




FEATURES

- Reliable clearing of AC fault currents
- Rated voltage: 690 Vac
- Number of poles: 1P
- Environmental temperature: -5°C to 40°C
- Altitude: Not exceed 2000m
- Designed for ADLER ANT fuse-links

DIMENSIONS (mm):



Size	A	B	C	F	d
00	120	100	30	60	7.5

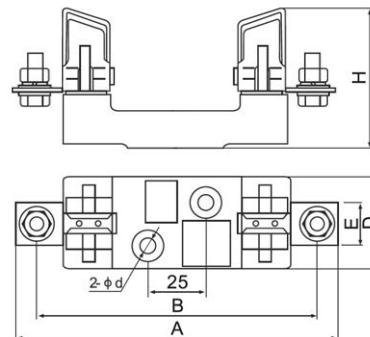
DESCRIPTION

ADLER BNT series fuse holder are specially designed for NH fuse-links, such as ADLER ANT series fuse-links, which have fine electrical performance enough strength and light weight. The current ratings up to 630 A at 690 Vac, it can effectively protect 690 Vac circuits as line overload or short circuit protection.

AGENCY INFORMATION

- Designed to IEC 60269-1 and IEC 60269-2, GB 13539.1, GB/T 13539.2
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



Size	A	B	D	E	H	d
1	200	175	58	30	84	10.5
2	225	200	60	30	100	10.5
3	250	210	60	30	105	10.5

ELECTRICAL SPECIFICATIONS

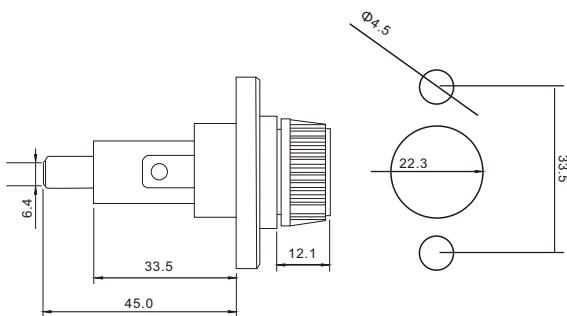
Size	Part Numbe	Rated Current	Screw Size	Elect. torque N.m
00	BNT-00	160A	M8	14
1	BNT-1	250A	M10	32
2	BNT-2	400A	M10	32
3	BNT-3	630A	M12	32

BH100-ACE Fuse Holder 10x38 mm

[RoHS]



DIMENSIONS (mm)



SPECIFICATIONS:

- Application to 600 Vac, 10x38 mm fuse link
- Max. Current: 30 A
- Rated Voltage: 600 Vac
- Withstand voltage: 1500 Vac, 1 minute
- Insulation Resistance: 500 Vac, >100 MΩ

Parts	Material
Spring	Carbon steel
Terminal	Phosphorus copper
Case	Bakelite
Terminal type	H62



Busbar System Accessories

ADLER provides perfect solutions for busbar system to complement the assembly and application of safe power distribution systems.

The wide range of accessories for power distribution components is made to standardized products.

Busbar support: Realize the rapid installation of busbar into the power distribution system.

Enclosed elements: Provide all-round anti-touch protection for the busbar system.

Connecting elements: Provide a quick and convenient connection mode for the cable or busbar.

Adapter: Connect the busbar and the switch. with it, the switch element can be easily and reliably connected to the busbar without any drilling.

Insulated flexible busbar: High carrying capacity and convenient installation.

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INDUSTRIAL POWER FUSES
AND SYSTEM PROTECTION



IATF 16949
ISO 9001-2015

