

EFX EV 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

- BDU Protection
- Drive Train Protection
- EV/HEV Power Management and Protection

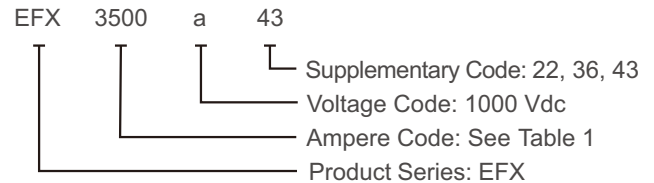
DESCRIPTION

Adler EFX series EV fuses are specially engineered and tested to provide best-in-class protection performance in protecting high power battery charging and managing systems of Electrical Vehicles and Hybrid Electrical Vehicles, up to 1000 Vdc in ratings from 125A to 500A.

AGENCY INFORMATION

- Manufactured in accordance with UL 248-20, JASO D6822
- Approvals: UL (pending).

PART NUMBER SYSTEM



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	0.5In
57x22	EFX3125a22	125A	3125	1000 Vdc	4In~50kA	-	3200	22600	4.5
	EFX3160a22	160A	3160	1000 Vdc	4In~50kA	-	5400	43200	5.7
74x36	EFX3150a36	150A	3150	1000 Vdc	-	4In~50kA	-	-	4.5
	EFX3200a36	200A	3200	1000 Vdc	-	4In~50kA	-	-	6.6
	EFX3250a36	250A	3250	1000 Vdc	4In~50kA	-	-	-	8.5
71x47	EFX3200a43	200A	3200	1000 Vdc	4In~50kA	-	5300	26800	7.9
	EFX3250a43	250A	3250	1000 Vdc	4In~50kA	-	9600	49980	10.3
	EFX3300a43	300A	3300	1000 Vdc	4In~50kA	-	13200	69300	12.7
	EFX3350a43	350A	3350	1000 Vdc	4In~50kA	-	21600	115000	14.5
	EFX3400a43	400A	3400	1000 Vdc	4In~50kA	-	28600	163000	17.0
	EFX3450a43	450A	3450	1000 Vdc	4In~50kA	-	38200	223000	19.5
	EFX3500a43	500A	3500	1000 Vdc	-	4In~50kA	49600	294000	21.0

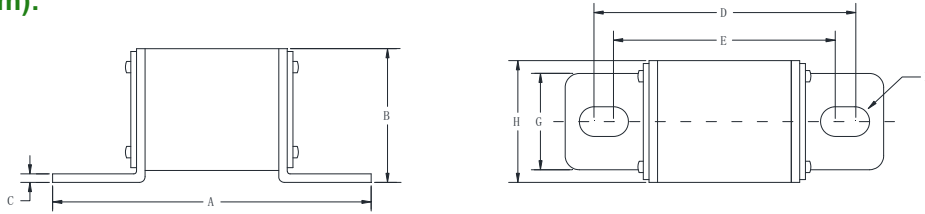
Table1 Note: 1. ** --- UL File: E506668

2. EFXxxxxa22, EFXxxxxa43 temperature rise: 0.5In < 50K.

3. EFXxxxxa22 and EFXxxxxa36 recommended mounting torque is 12+/-1.0Nm (M8);

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

DIMENSIONS(mm):

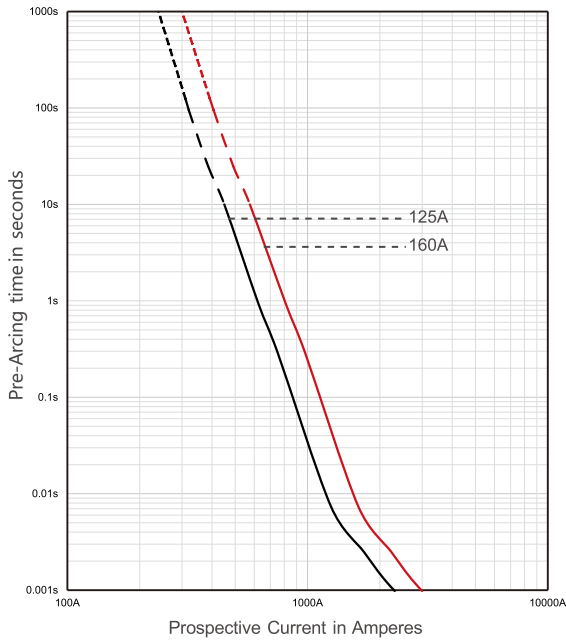


Part Number	A	B	C	D	E	F	G	H
EFXxxxxa22	115	25.5	2	99	88	φ 8.5	20	22.5
EFXxxxxa36	117	24	2	100	88	φ 8.5	32.5	36.3
EFXxxxxa43	126.5	48	3	106	89	φ 10.5	34.0	47.0

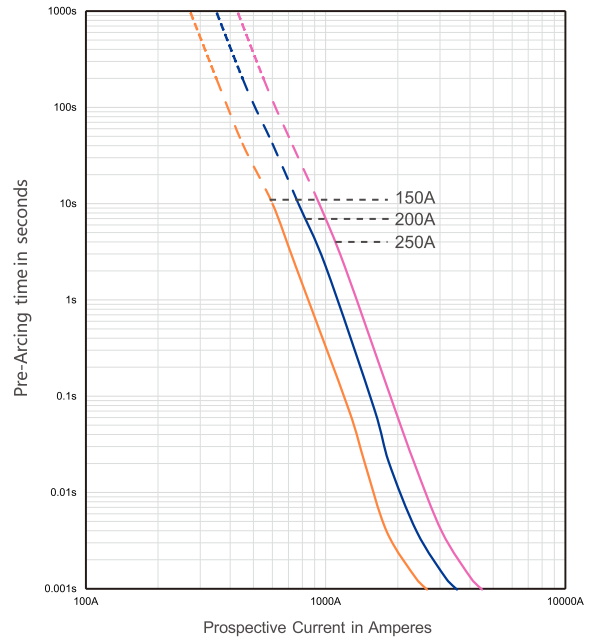
Table2

TIME CURRENT CURVE

EFXxxxxa22 125A – 160A



EFXxxxxa36 150A-250A



EFXxxxxa43 200A-500A

