EF8 EV FUSE

DESCRIPTION

Adler EF8 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 800 Vdc in ratings from 100A to 400A.

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

AGENCY INFORMATION

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

APPLICATIONS

- Battery pack protection
- Traction inverter protection
- Energy storage
- Power conversion
- High voltage power distribution
- Battery disconnect unit

PART NUMBERING SYSTEM

EF8 3400 8 1L

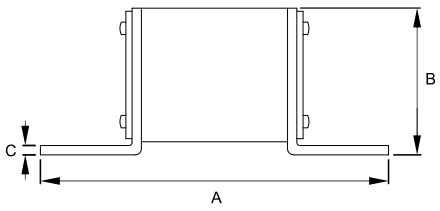
- 1L — Supplementary Code: 0L,1L
- 8 — Voltage Code: 800 Vdc
- 3400 — Ampere Code: See Table 1
- EF8 — Product Series: EF8

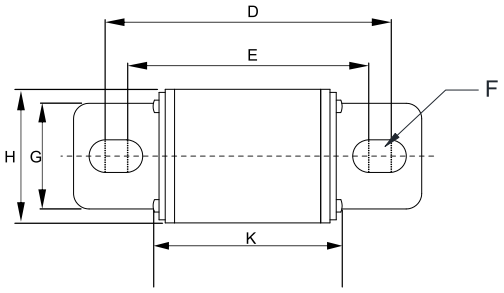
ELECTRICAL SPECIFICATIONS

Size(mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity(UL**)	$I^2T(A^2sec)$		Watt Loss(W)	
						Pre-arcing	Total @ 800Vdc	0.5 In	1.0 In
98x22	EF8310080L	100 A	3100	800 Vdc	6In~20 kA	990	5120	6	21
	EF8312580L	125A	3125			1650	8910	4	23
	EF8315080L	150A	3150			2750	16500	7	25
	EF8316080L	160 A	3160			11000	-	5.1	29.5
	EF8320080L	200 A	3200			6200	41500	7.5	30
	EF8325080L	250 A	3250			11000	75000	-	37
100x36	EF8325081L	250 A	3250	800 Vdc	6In~20 kA	8900	50700	9.5	48
	EF8331581L	315 A	3315			12500	73000	11.3	60
	EF8335081L	350 A	3500			18500	115000	15.1	65
	EF8340081L	400 A	3400			26500	172000	17.4	72

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

DIMENSIONS (mm)



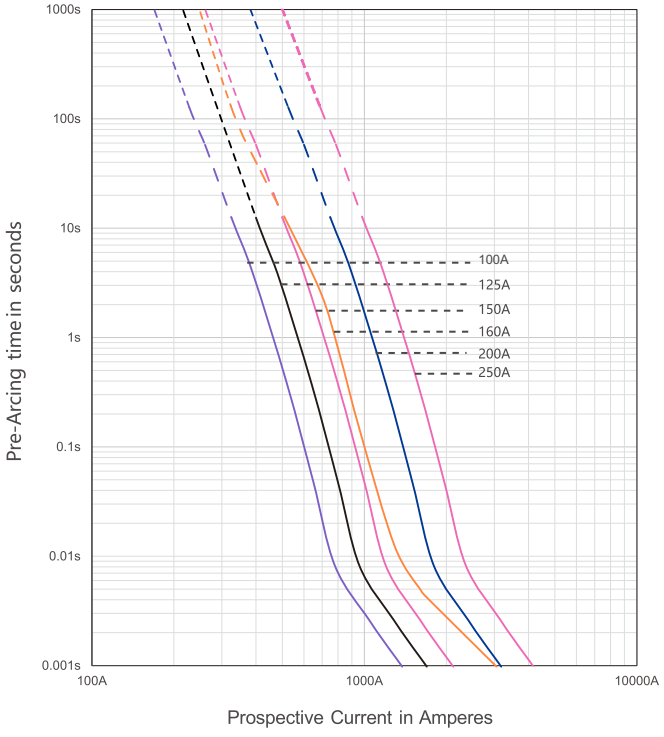


Part Number	A±1	B±1	C mm	D±1	E±1	F	G±0.5	H	K±3
EF8xxxx80L	98	25.0	2±0. 2	83	70.5	Φ8.5	20.0	22±0. 8	57
EF8xxxx81L	100	24.0	2±0.1	83	71	Φ10.5	32.5	36.3+1.2/-0.5	57

Table2

TIME CURRENT CURVE

EF8xxxx80L 100A – 200A



EF8xxxx81L 250A – 400A