AT1 150Vdc EV FUSE

DESCRIPTION

Adler AT1 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 150 Vdc in ratings from 20A to 200A.

AGENCY INFORMATION

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

FEATURES

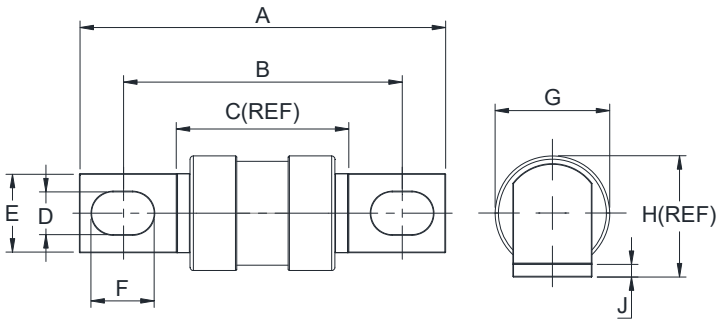
- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 20kA
- Full coverage of battery module current
- QR code marks on each fuse for traceability

PART NUMBERING SYSTEM

AT1 3200 1 05

- 05 — Supplementary Code: default
- 1 — Voltage Code: 150 Vdc
- 3200 — Ampere Code: See Table 2
- AT1 — Product Series: AT1

DIMENSIONS (mm):



Fuse Size	A ± 1.5mm	B ± 1mm	C mm	D ± 0.5mm	E ± 1mm	F ± 0.5mm	G ± 0.5mm	H mm	J ± 0.2mm
25x18	56	43	26.2	6.5	12	9.5	17.8	18.5	2

Table 1

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ELECTRICAL SPECIFICATIONS

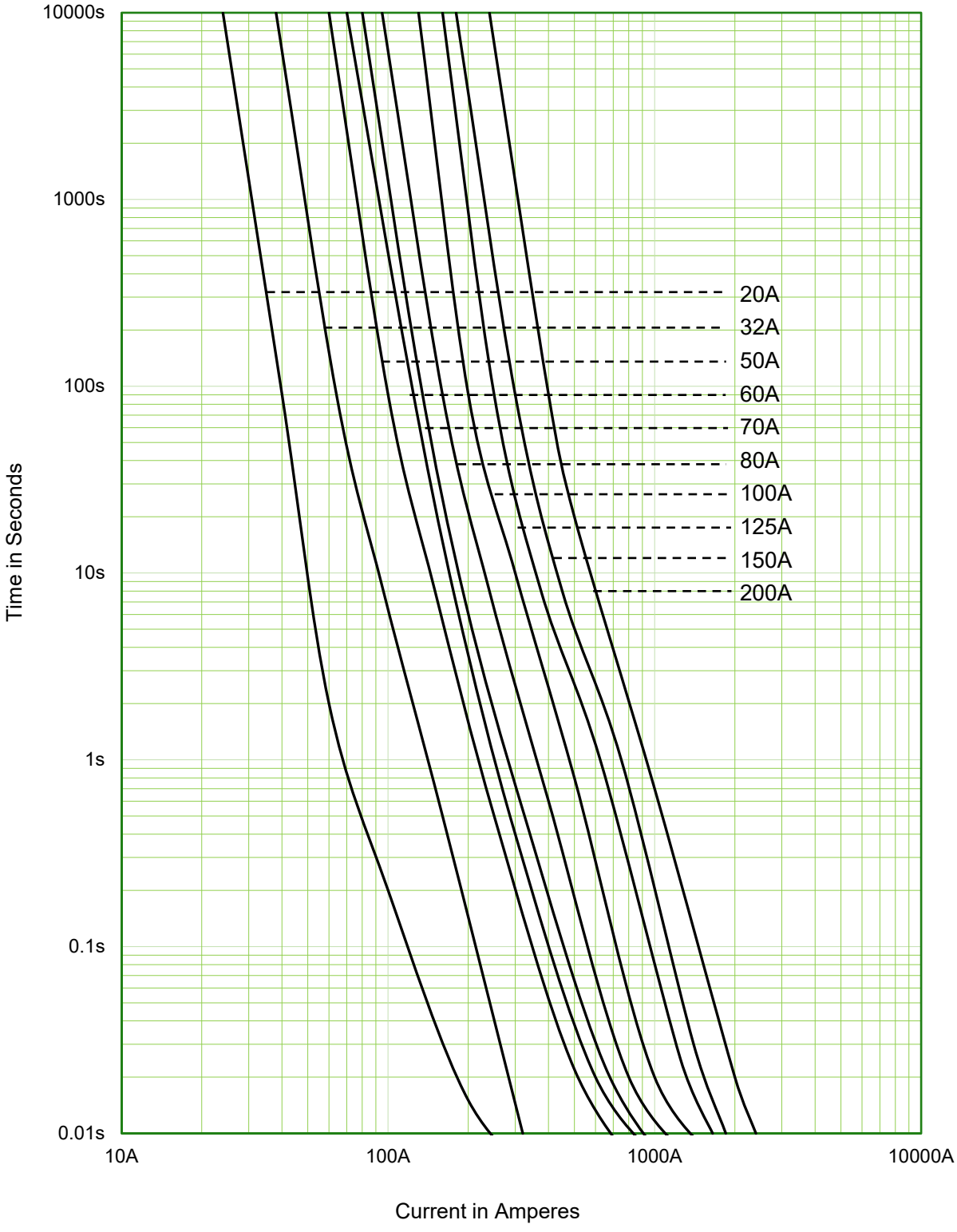
Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity UL**	Watt Loss(W) 1.0I_n
25x18	AT12200105	20A	2200	150Vdc	20kA	1.8
	AT12320105	32A	2320	150Vdc	20kA	3.5
	AT12500105	50A	2500	150Vdc	20kA	6
	AT12600105	60A	2600	150Vdc	20kA	7.5
	AT12700105	70A	2700	150Vdc	20kA	8.6
	AT12800105	80A	2800	150Vdc	20kA	9
	AT13100105	100A	3100	150Vdc	20kA	11
	AT13125105	125A	3125	150Vdc	20kA	12.8
	AT13150105	150A	3150	150Vdc	20kA	16.2
	AT13200105	200A	3200	150Vdc	20kA	18.5

Table 2

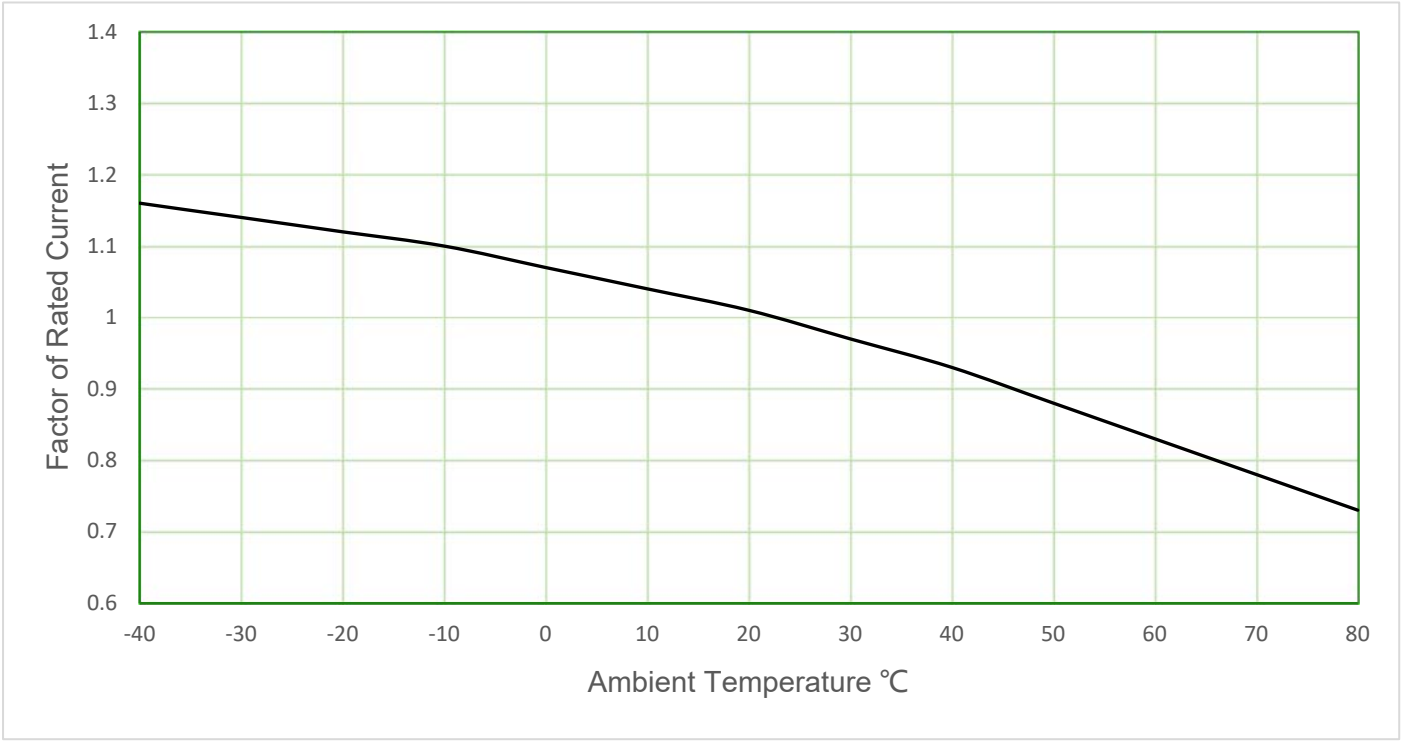
1. ** --- UL File: E485737
2. Temperature Rise：≤45K with 0.6In of rated current

TIME CURRENT CURVE

AT1xxxx105 20A – 200A



TEMPERATURE DERATING CURVE



WEB RESOURCES

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