

AE7 EV Fuse



FEATURES:

- 700V DC EV high-speed power fuse
- Rated Current: 60~600A
- Rated Breaking Capacity: 50kA at 700V DC
- Dimensions: 25x66mm, 38x72mm, 51x72mm
- Special purpose fuse for EV/HEV automotive use
- Ideal for high power EV PDU and battery protection
- Reference design to JASO D622, ISO 8820-8

ELECTRICAL SPECIFICATIONS

Part Number	Rated Current (A)	Rated Voltage (VDC)	Melting I ² t	Clearing I ² t	Breaking Capacity	Dissipation (W)
AE72600i25	60	700	5880	15373	50kA@700V DC	11.02
AE72700i25	70		6860	17935		13.23
AE72800i25	80		8960	23425		15.56
AE73100i25	100		14000	36601		19.35
AE73125i25	125		23000	60131		23.02
AE73150i25	150		31000	81046		31.12
AE73175i38	175	700	40000	104575	50kA@700V DC	37.23
AE73200i38	200		52000	135948		43.67
AE73225i38	250		57937	138468		50.89
AE73225i38	300		69524	181762		60.55
AE73225i38	350		81111	212055		65.01
AE73225i38	400		92698	242349		78.23
AE73450i51	450	700	104285	272643	50kA@700V DC	82.22
AE73500i51	500		115873	302936		90.11
AE73560i51	560		129777	339289		95.80
AE73600i51	600		139047	363524		105.78

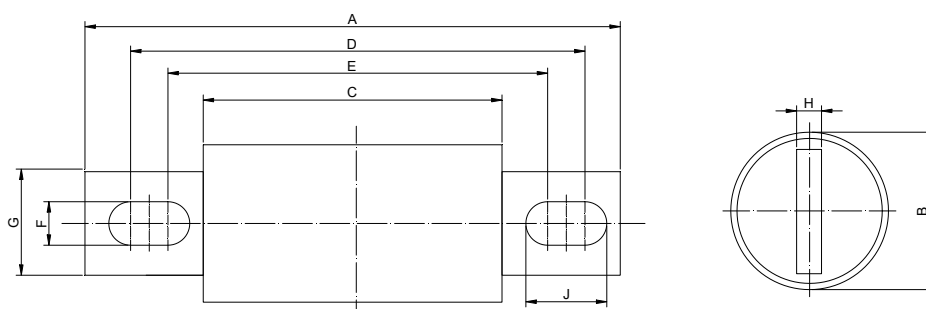
Note:

(1) Percentage of change in fuse current carrying capability. Change in ambient temperature: -0.13%/°C

TIME VS CURRENT CHARACTERISTIC

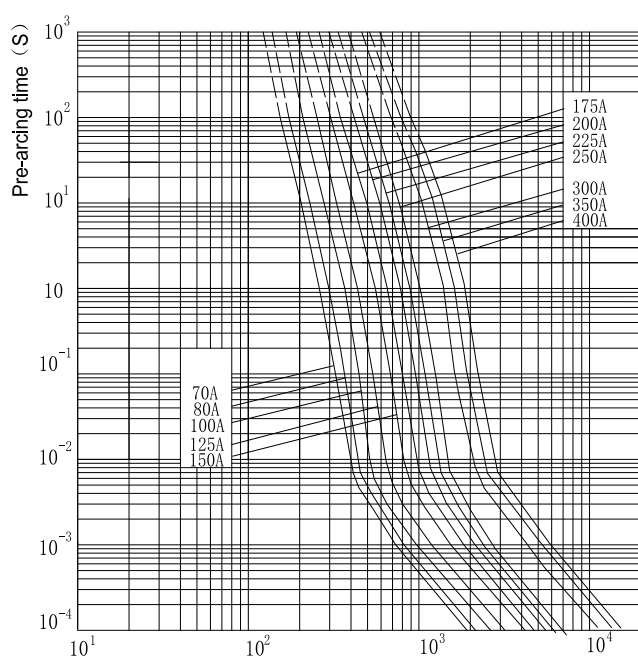
Rated Current	110%	200%	300%	500%
60~600A	>4H	1~300s	0.2~30s	0.1~10s

DIMENSIONS (mm)

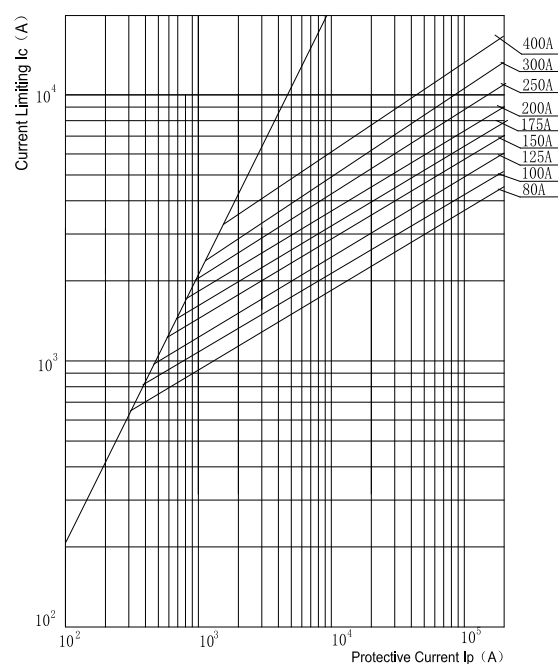


P/N	A	B	C	D	E	F	G	H	J
AE7xxxxi25	111	25	66	95	93	9	18	3	10
AE7xxxxi38	129	38	72	107	89	10.5	25	6	19.5
AE7xxxxi51	129	51	72	109	90	10.5	38	6	20

AE7 Time Current(reference)



Current Limiting(reference)



Temperature Reduction

