

AE7 EV Fuse



FEATURES:

- 800 VDC EV high-speed power fuse
- Rated Current: 60 -150 A (25x66)
175-400A (38x72)
450-600A (51x72)
- Breaking Capacity: 50 kA
- Time Constant: $(L/R)2 \pm 1$ ms
- Dimensions: 25x66 mm, 38x72mm, 51x72 mm
- Special purpose fuse for EV/HEV automotive use
- For high power EV PDU and battery protection
- Approval: UL (E506666)
- Ref. To UL248-20; IEC 60269-4
- Recommended fuse holder: BFR094-35-M8, BFR099-70-M10

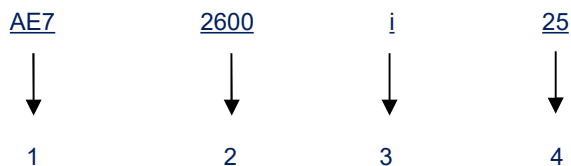
ELECTRICAL SPECIFICATIONS

Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Melting I ² t (A ² S)	Clearing I ² t (A ² S)	Dissipation(W)	Certifications
								0.5I _n	UL
25x66	AE72600i25	60 A	2600	800 VDC	50kA	5880	15373	3.00	•
	AE72700i25	70 A	2700			6860	17935	3.50	•
	AE72800i25	80 A	2800			8960	23425	4.00	•
	AE73100i25	100 A	3100			14000	36601	5.00	•
	AE73125i25	125 A	3125			23000	60131	5.50	•
	AE73150i25	150 A	3150			31000	81046	6.00	•

38x72	AE73175i38	175 A	3175	800 VDC	50kA	40000	104575	6.56	•
	AE73200i38	200 A	3200			52000	135948	7.50	•
	AE73250i38	250 A	3250			57937	138468	9.38	•
	AE73300i38	300 A	3300			69524	181762	11.25	•
	AE73350i38	350 A	3350			81111	212055	13.13	•
	AE73400i38	400 A	3400			92698	242349	15.00	•

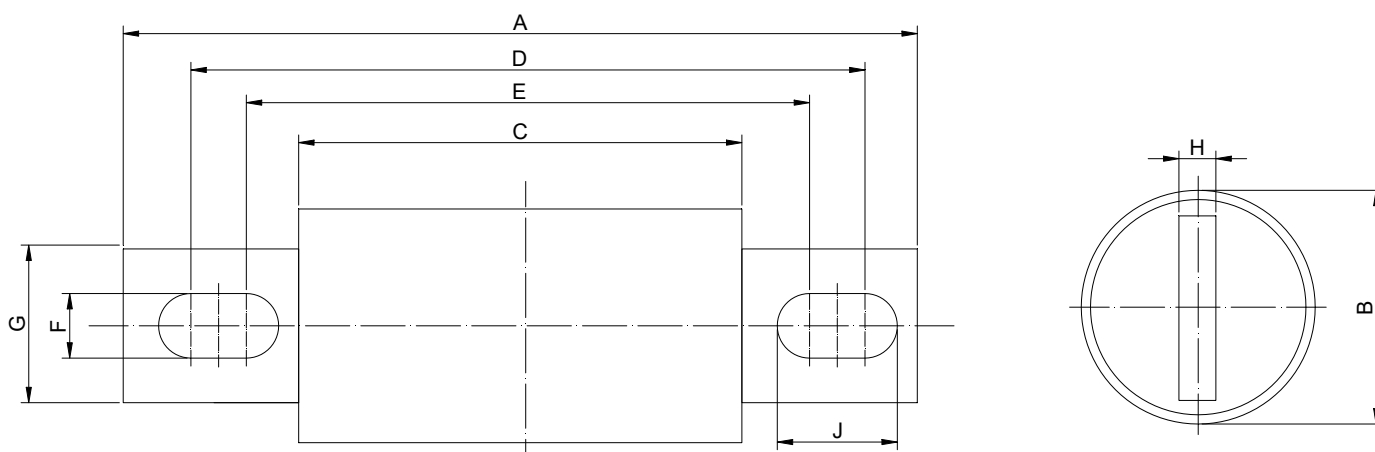
51x72	AE73450i51	450 A	3450	800 VDC	50kA	104285	272643	15.00	•
	AE73500i51	500 A	3500			115873	302936	16.67	•
	AE73560i51	560 A	3560			129777	339289	18.67	•
	AE73600i51	600 A	3600			139047	363524	20.00	•

PART NUMBER SYSTEM



- 1Product Series AE7
- 2 Ampere Code 60 A (see ampere code column of electrical specifications)
- 3Rated Voltage i: 800 V
- 4 Supplementary Code 25, 38, 51: default

DIMENSIONS (mm)



Size	A	B	C	D	E	F	G	H	J
25x66	111±0.8	25±0.5	66±0.8	95±0.8	93±0.8	9.0±0.2	18±0.5	3.2±0.1	10.0±0.5
38x72	129±0.8	38±0.5	72±0.8	107±0.8	89±0.8	10.5±0.2	25±0.5	6±0.1	19.5±0.5
51x72	129±0.8	51±0.5	72±0.8	109±0.8	90±0.8	10.5±0.2	38±0.5	6±0.1	20.0±0.5

Time Current Curve (reference)

