AC Fuse for ESS/Charging

ESK1803 Series

Ceramic Tube Fuses

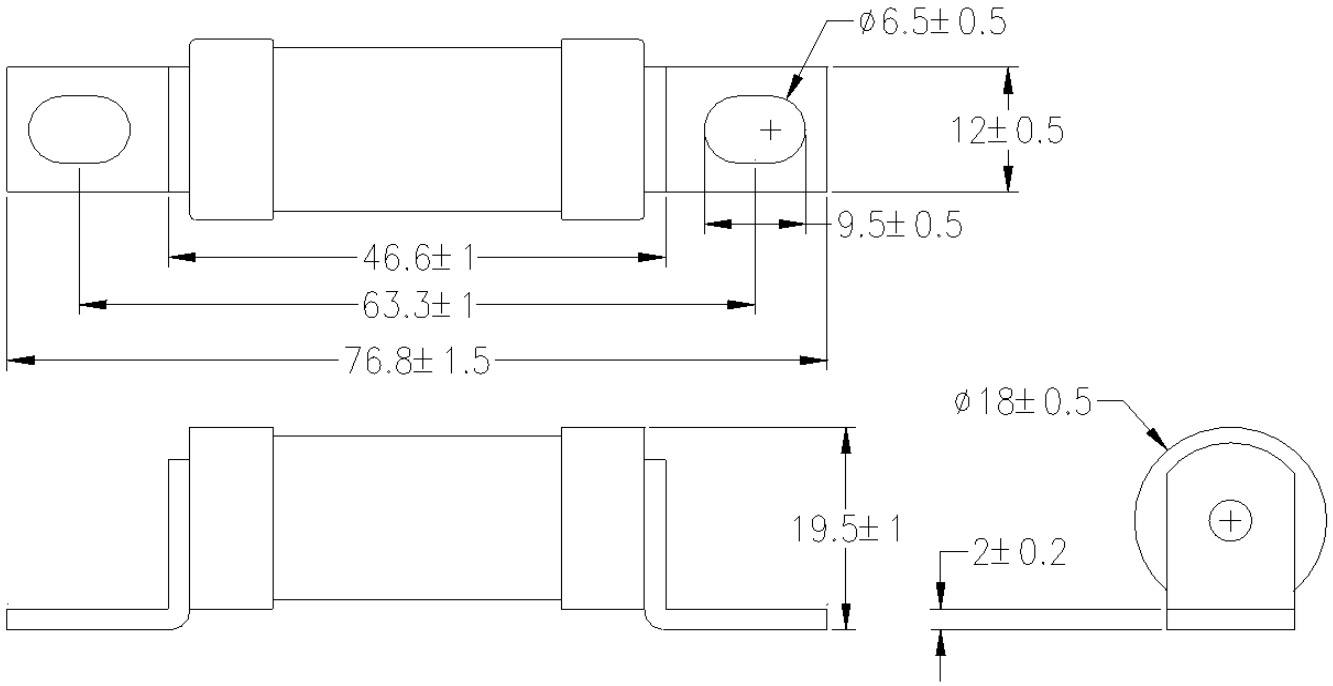
Description

- AC fuse for EV Charging/ESS
- Stud-mount
- 700VAC ideal for Charging & ESS application
- Design refer to UL248-1/248-13

Specifications

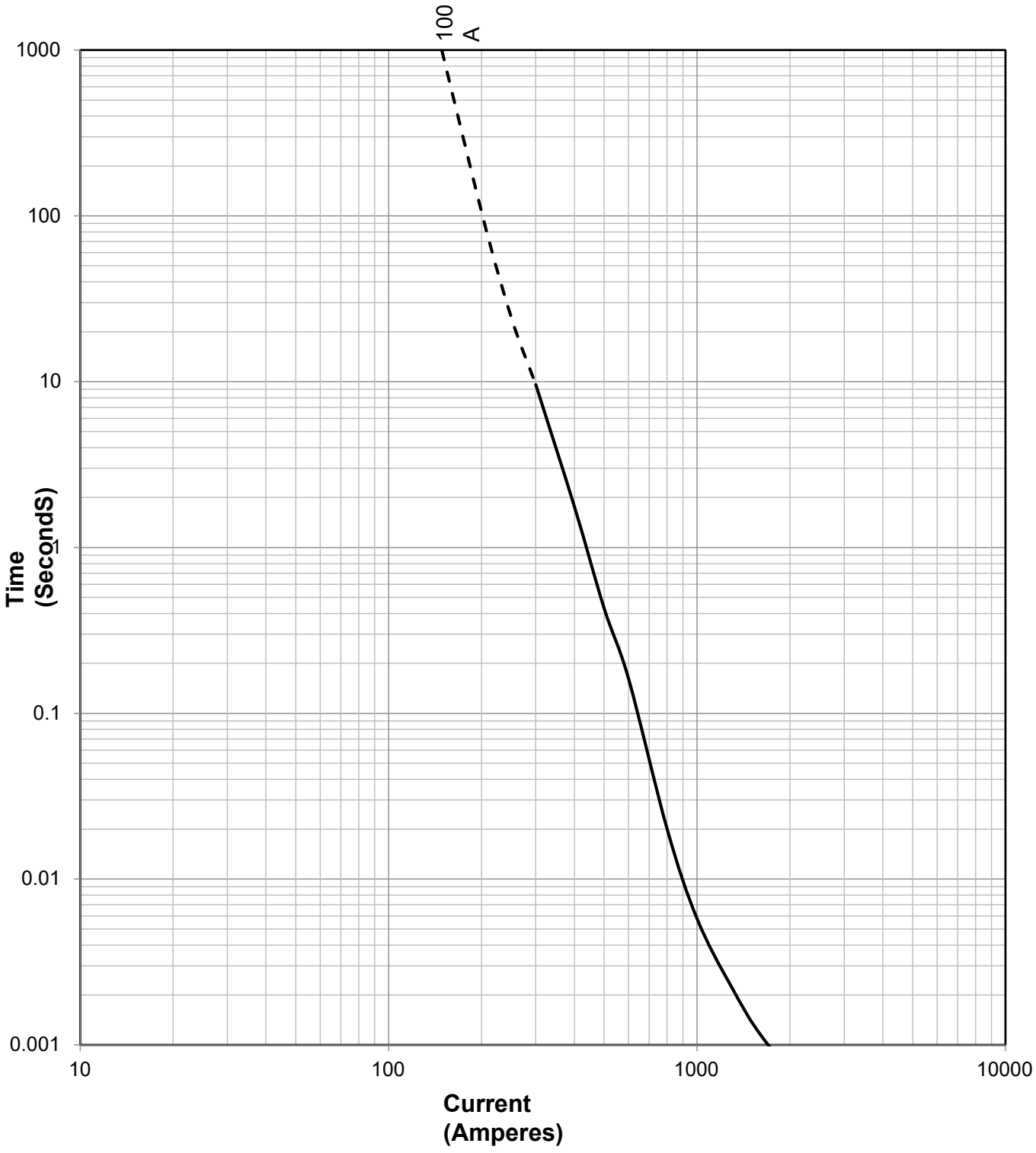
Part Number	Rated Current (A)	Interrupting(kA) @ Rated Voltage(Vac)	Typical I^2t (A^2S)		Typical Power Loss (W)	
			Pre-arcing	Total @700VAC	@ 0.5In	@ 1.0In
ESK1803-100A-K6	100	50kA @ 700Vac	2280	17500	3.3	19.6

Dimention(unit: mm)



Note: recommend tighten torque: M6 – 6.0+/-1.0 Nm;

Time Current Curve



Transportation and Storage

During transportation and storage, should avoid water seepage and mechanical damage.

Operating Conditions

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- Normal temperature: -5℃ to 40℃;
- The altitude of the site of installation of the fuses does not exceed 2000m above sea level;
- The air is clean and its relative humidity does not exceed 50% at the max. temperature of
- 40℃; Higher relative humidities are permitted at lower temperatures, e.g. 90 % at 20℃;
- Under these conditions, moderate condensation may occasionally occur due to variation in temperature. For operation condition other than above, please contact manufacturer.

Vibration

Meet JASO D622:2006 Section 6.3.3 Vibration durability test requirement, can be use on Electrical Vehicle application.

Temperature Re-Rating Curve

Operating Temperature: -40°C to +125°C, with proper re-rating factor applied