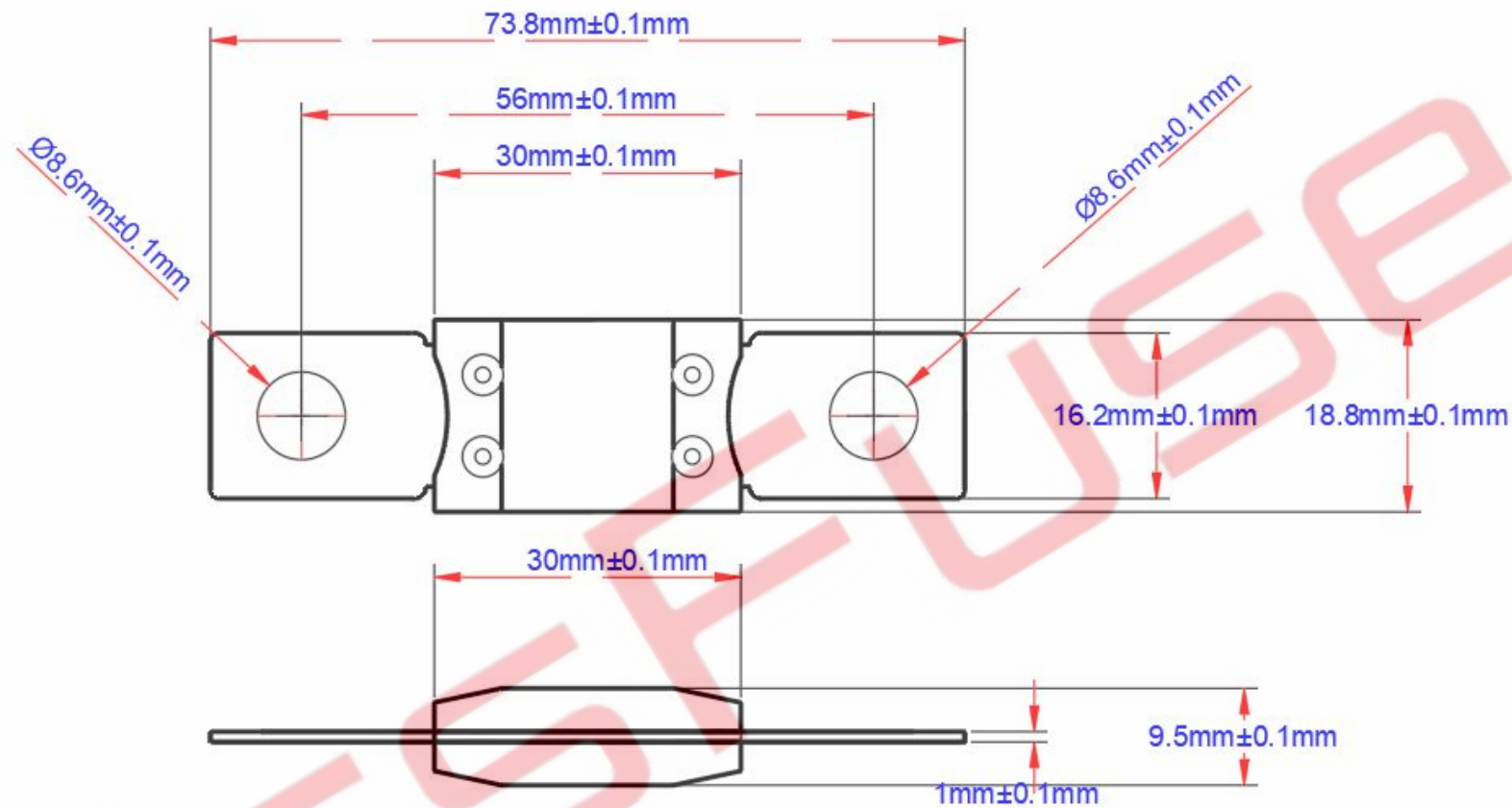


ANL-B200ASF56 Bolt-Down Ess Fuse

1. Dimensions (mm)



2. Specifications

- ❖ Product Features
- ❖ Compact design, suitable for high current applications.
- ❖ Rated DC voltage of 175 volts
- ❖ Shell material: high-temperature PPS and ceramic
- ❖ The product complies with UL248-1 standard
- ❖ High current wire protection
- ❖ Vehicle distribution (electric motorcycles, new energy trams, charging supporting systems)
- ❖ Material processing system
- ❖ Unmanned aerial vehicle power distribution protection
- ❖ All supercapacitor and battery systems (energy storage protection system)
- ❖ Operating temperature -40°C to $+125^{\circ}\text{C}$

3. Time-Current Characteristics

% of Rating	Opening Time Min / Max
	100A - 700A
100	4H / ∞
300	~/10S

4.Product specifications

Part Number	Rating Current(A)	Pre-arcing $I^2t(A^2s)$	Arcing $I^2t(A^2s)$	Total Clearing $I^2t(A^2s)$
ANL-B200A100SF56	100A	520	182	702
ANL-B200A150SF56	150A	980	280	1260
ANL-B200A200SF56	200A	1650	434	2084
ANL-B200A250SF56	250A	2600	665	3265
ANL-B200A300SF56	300A	3750	980	4730
ANL-B200A350SF56	350A	5100	1330	6430
ANL-B200A400SF56	400A	6800	1785	8585
ANL-B200A450SF56	450A	8250	2258	10508
ANL-B200A500SF56	500A	10800	2800	13600
ANL-B200A550SF56	550A	13100	3390	16495
ANL-B200A600SF56	600A	15600	3990	19590
ANL-B200A650SF56	650A	18250	4585	22835
ANL-B200A700SF56	700A	21000	5180	26180

1. With a short-circuit current of 20kA and a relatively high interruption current, the melting and arcing energy is reduced simultaneously, resulting in a faster breaking speed and less impact on power devices.
2. The overload operating threshold and voltage drop remain unchanged, and the long-term current carrying capacity is not affected by the short circuit level.
3. This breakout specification meets the protection requirements of conventional low-voltage DC busbars, energy storage auxiliary circuits, and industrial control DC equipment.
4. The system short-circuit current is stable within 20kA, and this set of parameters can be directly used for device I^2t matching verification.
5. It exhibits good arc extinction stability in low-voltage and low-interruption scenarios, and can be normally adapted to circuits with $L/R \leq 25ms$.
6. When selecting a device, a protection margin should be reserved, and the total breaking capacity I^2t must be less than the withstand limit of the semiconductor device.

5: Time-Current Characteristic Curves

