# AB1 200 Vdc Fuse



## DESCRIPTION:

Adler AB1 series ESS fuses are engineered and manufactured for use in Industrial ESS and Power Distribution Protection, made from the highest quality materials and tested to the highest standards. With rated currents from 50 A to 300 A with a breaking capacity of 20 kA.

## FEATURES:

- 200 Vdc fuse
- Rated Current: 50-300 A
- Breaking Capacity: 20 kA
- Dimensions: 22x29 mm
- QR code marks on each fuse for traceability

## AGENCY INFORMATION:

- Ref. to: UL 248-13; IEC 60269-4
- Approval: UL (File: E485737) and TÜV (50699465)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

## APPLICATIONS:

- ESS and BESS circuit protection
- Power storage protection

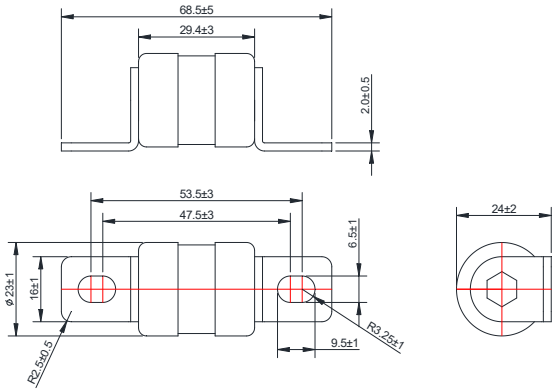
## PART NUMBERING SYSTEM

AB1 3300 1 00

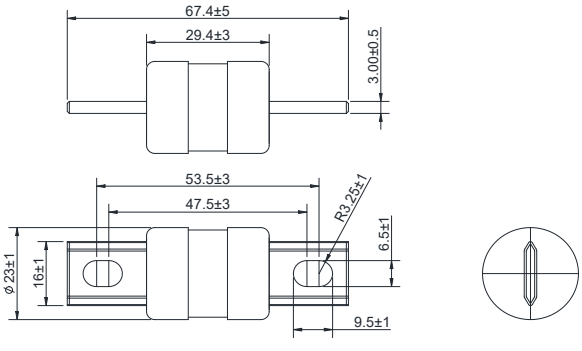
- 00: Supplementary Code: 00: Level Mount; 01: Central Mount
- 1: Rated Voltage: 1: 200 Vac
- 3300: Ampere Code:See Table 2
- AB1: Product Series: AB1

## DIMENSIONS (mm)

### AB1xxxx100




### AB1xxxx101



## PACKING INFORMATION

Table 1

| Part Number | Product net weight / PCS (g) | Inner Box | | | Outer Carton | | |
|---|---|---|---|---|---|---|---|
| | | Packing quantity / per inner box (PCS) | Inner box size (mm) | Inner box gross weight (g) | Product quantity / outer carton (PCS) | Outer carton size (mm) | Outer carton gross weight (kg) |
| AB1xxxx100 | 59 | 20 | 12.5x12.5x4.9 | 1240 | 240 | 410×215×160 | 15.4 |
| AB1xxxx101 | 54 | 20 | 12.5x12.5x4.9 | 1140 | 240 | 410×215×160 | 14.2 |

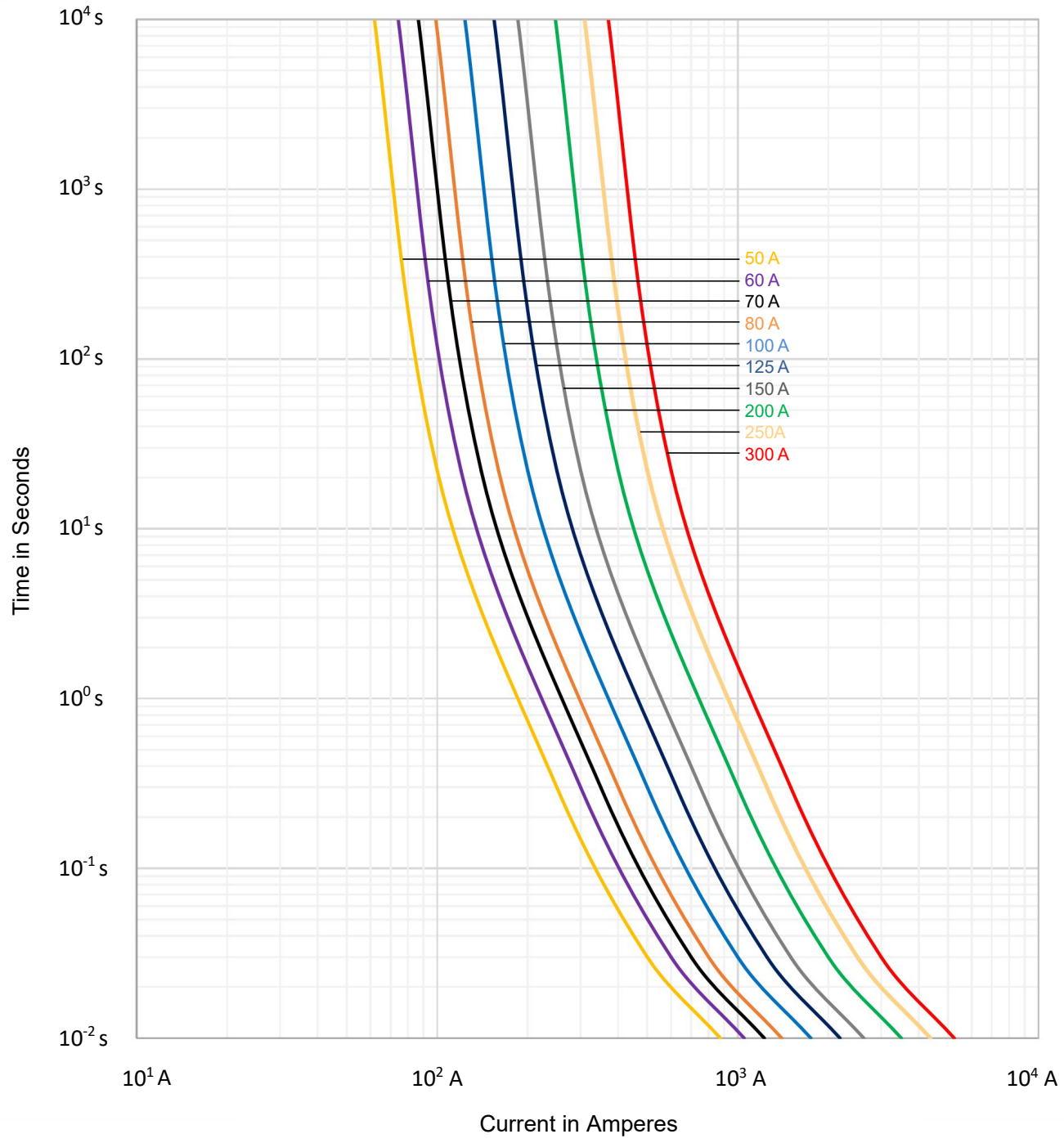
## ELECTRICAL CHARACTERISTICS

Table 2

| Part Number | | Rated Current | Ampere Code | Rated Voltage | Breaking Capacity | Dissipation(W) | Certification | |
|---|---|---|---|---|---|---|---|---|
| Level Mount | Central Mount | | | | | 1.0In | UL | TUV |
| AB12500100 | AB12500101 | 50 A | 2500 | 200 Vdc | 20 kA@200 Vdc | 6.5 | • | • |
| AB12600100 | AB12600101 | 60 A | 2600 | | | 9.0 | • | • |
| AB12700100 | AB12700101 | 70 A | 2700 | | | 12.0 | • | • |
| AB12800100 | AB12800101 | 80 A | 2800 | | | 12.5 | • | • |
| AB13100100 | AB13100101 | 100 A | 3100 | | | 13.5 | • | • |
| AB13125100 | AB13125101 | 125 A | 3125 | | | 25.0 | • | • |
| AB13150100 | AB13150101 | 150 A | 3150 | | | 26.0 | • | • |
| AB13200100 | AB13200101 | 200 A | 3200 | | | 30.0 | • | • |
| AB13250100 | AB13250101 | 250 A | 3250 | | | 35.0 | • | • |
| AB13300100 | AB13300101 | 300 A | 3300 | | | 45.0 | • | • |

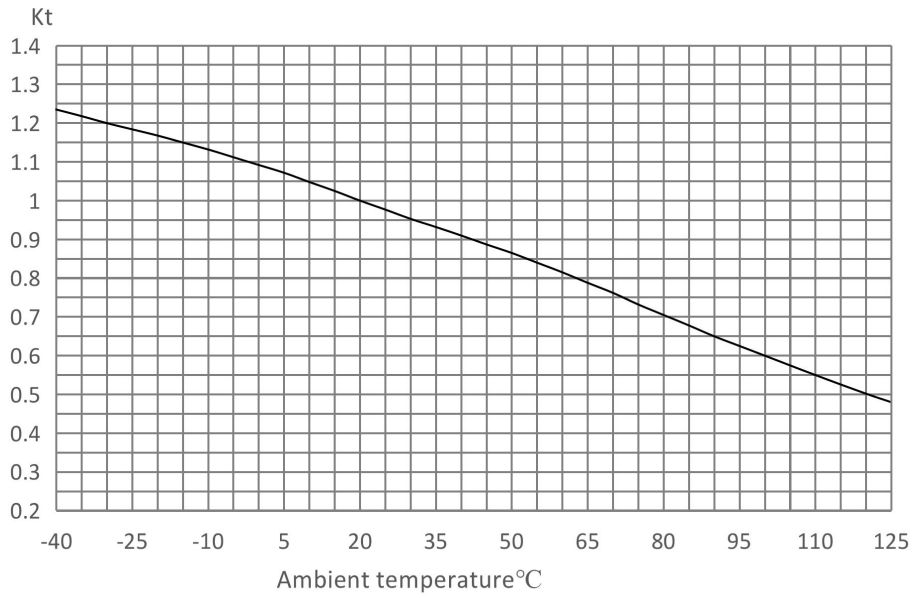
Note：1. ●--- Certification is ready
2. UL file：E490190
3. TUV file：50699465

## TIME CURRENT CURVE



## TEMPERATURE CORRECTION CURVE

When the fuse is operating below -5 ℃ or above 40 ℃, the rated current needs additional modification. The correction factor is Kt.




## 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 ℃, permissible operating temperature：-40 ℃ to 125 ℃.
- The altitude of the site of installation of the fuses should not exceed 2000 m above sea level and permissible altitude site of installation should not exceed 5000m.
- The air should be clean, and its relative humidity does not exceed 50 % at the maximum temperature of 40 ℃.
- Higher relative humidity is permitted at lower temperatures, e.g., 90 % at 20 ℃.
- Under these conditions, moderate condensation may occasionally occur due to variation in temperatures.

For operating conditions other than detailed above, please contact manufacturer.

## STORAGE

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

## WEB RESOURCES

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