



## A73 10X38mm 1000Vdc gPV FUSE



### FEATURES

- Reliable clearing of DC fault currents
- High cycling performance
- High breaking capacity to 30kA
- Operation as low as 200%  $I_n$  overload protection
- Full coverage of battery module current
- QR code marks on each fuse for traceability
- Special design with silver plated caps for high-power PV applications
- BH 100-01, BH10-02 holders for DIN rail mounting

### DESCRIPTION

Adler A73 series gPV fuses are specially engineered and tested to provide best-in-class protection performance in protecting high power battery charging and managing systems of Electrical Vehicles and Hybrid Electrical Vehicles, up to 1000 Vdc in ratings from 1A to 30A.

### AGENCY INFORMATION

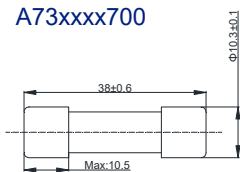
- Designed to UL 248-19
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

### PART NUMBERING SYSTEM

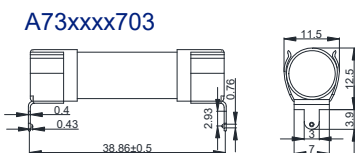
| A73 | 2300 | 7 | 00 |                          |
|-----|------|---|----|--------------------------|
|     |      |   |    | Supplementary Code: 00   |
|     |      |   |    | Voltage Code: 1000 Vdc   |
|     |      |   |    | Ampere Code: See Table 2 |
|     |      |   |    | Product Series: A73      |

### DIMENSIONS (mm):

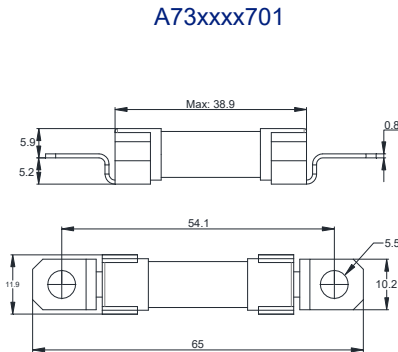
A73xxx700



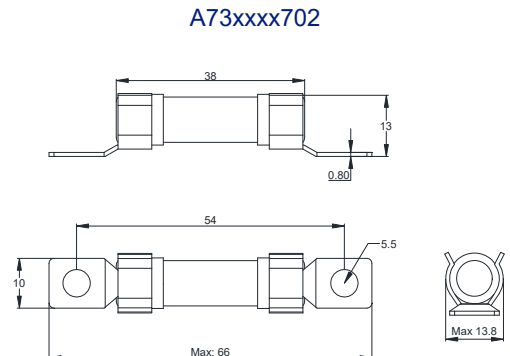
A73xxx703



A73xxx701



A73xxx702



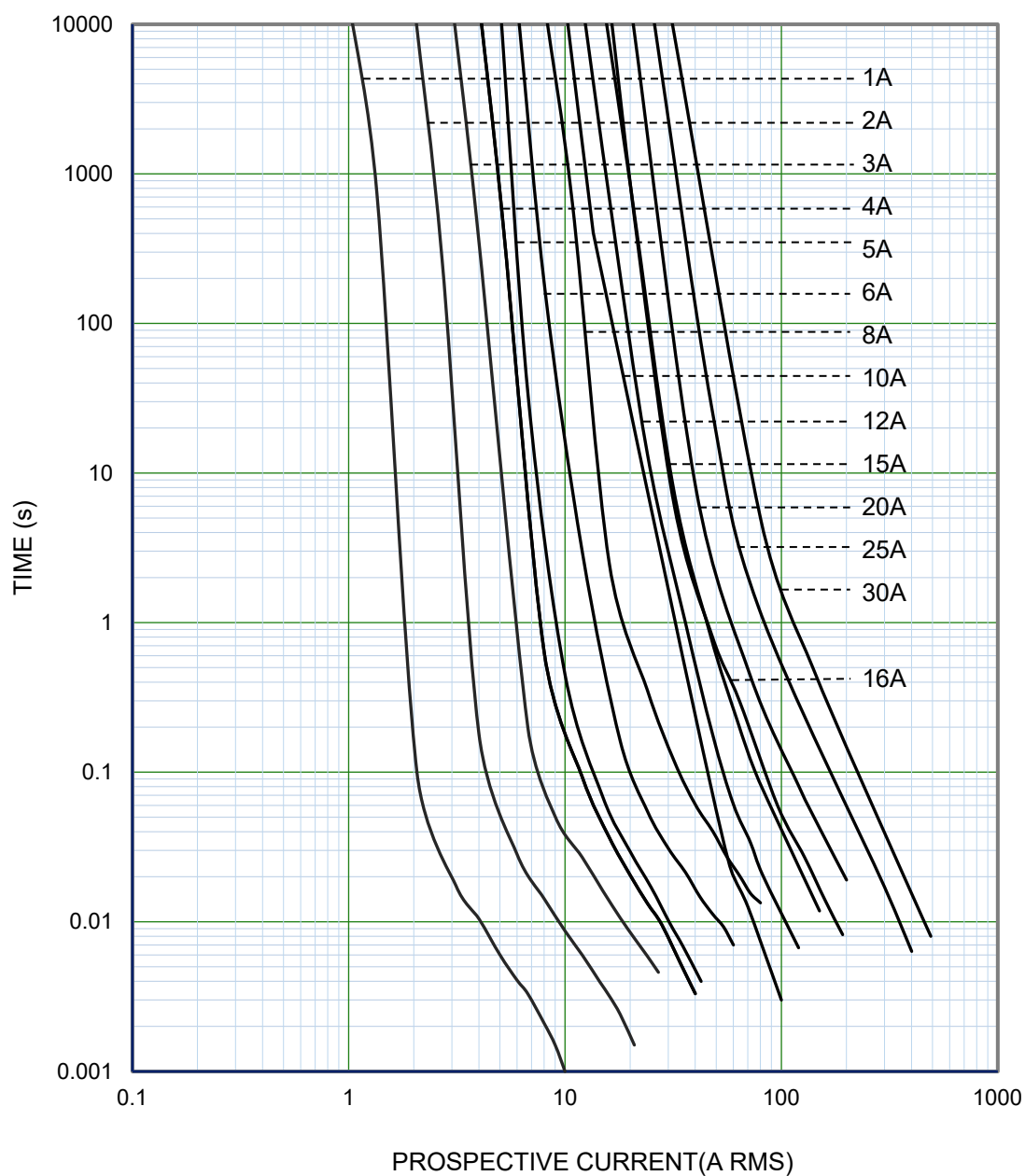
## ELECTRICAL SPECIFICATIONS

| Size  | Part Number |               |             |            | Rated Current | Ampere Code | Rated Voltage | Breaking Capacity |                | Pre-Arcing I <sup>2</sup> t | Total I <sup>2</sup> t | Watt Loss(W)       |                    |
|-------|-------------|---------------|-------------|------------|---------------|-------------|---------------|-------------------|----------------|-----------------------------|------------------------|--------------------|--------------------|
| (mm)  | Cartridge   | Central Mount | Level Mount | PCB Mount  |               |             |               | UL                | Self-Certified | (A <sup>2</sup> s)          | (A <sup>2</sup> s)     | 0.8 I <sub>n</sub> | 1.0 I <sub>n</sub> |
| 10x38 | A731100700  | A731100701    | A731100702  | A731100703 | 1A            | 1100        | 1000Vdc       | 30kA              | -              | 0.15                        | 0.4                    | 0.8                | 1.5                |
|       | A731200700  | A731200701    | A731200702  | A731200703 | 2A            | 1200        | 1000Vdc       | 30kA              | -              | 1.3                         | 3.4                    | 0.7                | 1.1                |
|       | A731300700  | A731300701    | A731300702  | A731300703 | 3A            | 1300        | 1000Vdc       | 30kA              | -              | 4                           | 12                     | 0.8                | 1.3                |
|       | A731400700  | A731400701    | A731400702  | A731400703 | 4A            | 1400        | 1000Vdc       | 30kA              | -              | 10                          | 28                     | 1.1                | 1.4                |
|       | A731500700  | A731500701    | A731500702  | A731500703 | 5A            | 1500        | 1000Vdc       | 30kA              | -              | 19                          | 50                     | 1.1                | 1.4                |
|       | A731600700  | A731600701    | A731600702  | A731600703 | 6A            | 1600        | 1000Vdc       | 30kA              | -              | 32                          | 93                     | 1.2                | 1.8                |
|       | A731800700  | A731800701    | A731800702  | A731800703 | 8A            | 1800        | 1000Vdc       | 30kA              | -              | 85                          | 205                    | 1.2                | 2.2                |
|       | A732100700  | A732100701    | A732100702  | A732100703 | 10A           | 2100        | 1000Vdc       | 30kA              | -              | 30                          | 70                     | 1.3                | 2.3                |
|       | A732120700  | A732120701    | A732120702  | A732120703 | 12A           | 2120        | 1000Vdc       | 30kA              | -              | 98                          | 150                    | 1.5                | 2.8                |
|       | A732150700  | A732150701    | A732150702  | A732150703 | 15A           | 2150        | 1000Vdc       | 30kA              | -              | 149                         | 230                    | 1.8                | 3.0                |
|       | A732160700  | A732160701    | A732160702  | A732160703 | 16A           | 2160        | 1000Vdc       | -                 | 30kA           | 200                         | 300                    | 2.1                | 3.1                |
|       | A732200700  | A732200701    | A732200702  | A732200703 | 20A           | 2200        | 1000Vdc       | 30kA              | -              | 229                         | 330                    | 2.4                | 3.6                |
|       | A732250700  | A732250701    | A732250702  | A732250703 | 25A           | 2250        | 1000Vdc       | 30kA              | -              | 411                         | 500                    | 2.6                | 4.1                |
|       | A732300700  | A732300701    | A732300702  | A732300703 | 30A           | 2300        | 1000Vdc       | 30kA              | -              | 1200                        | 2500                   | 4.6                | 5.7                |

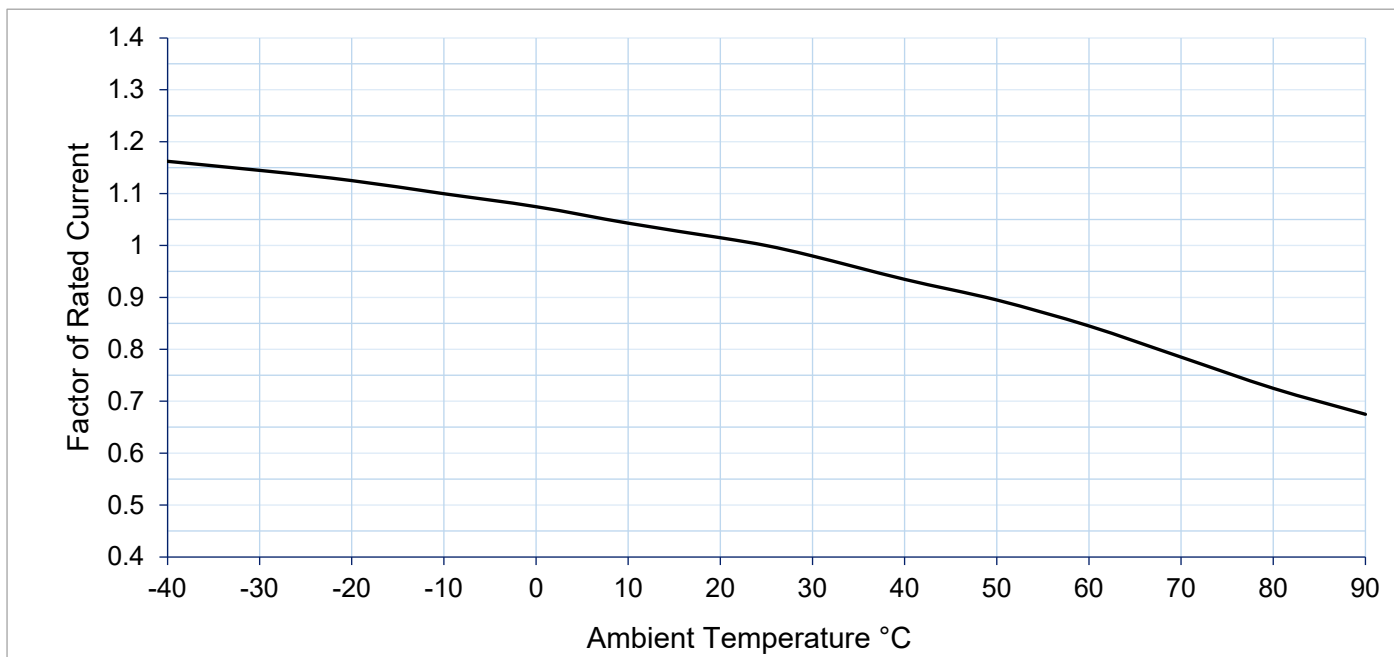
1. \*\* --- UL File: E490190
2. Time Constant: 1-3 ms
3. Typical Pre-arcing I<sup>2</sup>t are measured at 10I<sub>n</sub> Current

# TIME CURRENT CURVE

A73 1A – 30A



## TEMPERATURE DERATING CURVE



Operating temperature: -40°C ~ 90°C (with proper re-rating factor)

## WEB RESOURCES

Download the latest technical documents: [www.adlerelectric.com](http://www.adlerelectric.com). Specifications are subject to change without notice.