

14x65mm photovoltaic fuses — 1500/1300Vdc, 2.25-32A



RoHS

Catalog symbols / mounting style:

- PV-(amp)A14LF (cylindrical)
- PV-(amp)A14L-T (cylindrical with tags)
- PV-(amp)A14LF10F (cylindrical with 10mm fixings)

Description:

Eaton's Bussmann™ series of 14x65mm package PV fuses are specifically designed for protecting and isolating photovoltaic strings. These fuse links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault).

Available with three mounting styles for application flexibility.

Basic fuse size

- 14x65mm

Ratings

- Volts
 - 1500Vdc (2.25-20A)
 - 1300Vdc (25-32A)
- Amps 2.25-32A
- Interrupting rating 10kA
- Time constant 1-3ms

Operating class

- gPV and UL PV fuse links

Agency information

- UL Listed 2579
- IEC 60269-6 gPV
- CSA pending
- CCC pending
- RoHS compliant

Packaging (carton quantity):

- PV-(amp)A14LF, PV-(amp)A14L-T, PV-(amp)A14LF10F: 10

Technical data

PV fuse coordination with thin film cells, and 4", 5" and 6" crystalline silicon cells.

Features:

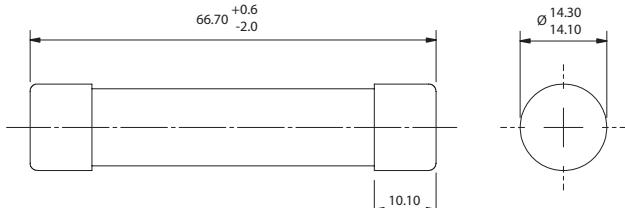
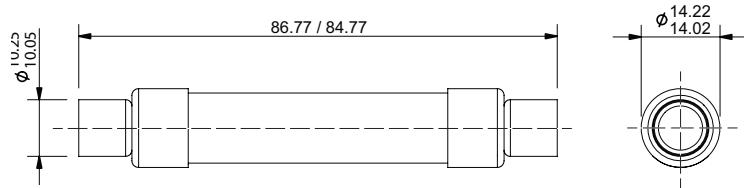
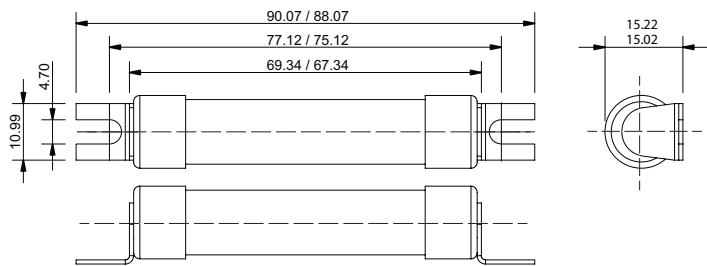
- Specifically designed to provide fast-acting protection under low fault current conditions associated with PV systems
- High DC voltage rating
- Variety of mounting options for flexibility
- Demonstrated performance in extreme temperature cycling conditions
- Wide range of available amp ratings makes it easy to standardize wire harness protection
- Fuses meet UL and IEC photovoltaic standards for global product acceptance
- Low watts loss for greater PV system efficiency
- Low heat rise permits more precise sizing for greater electrical protection

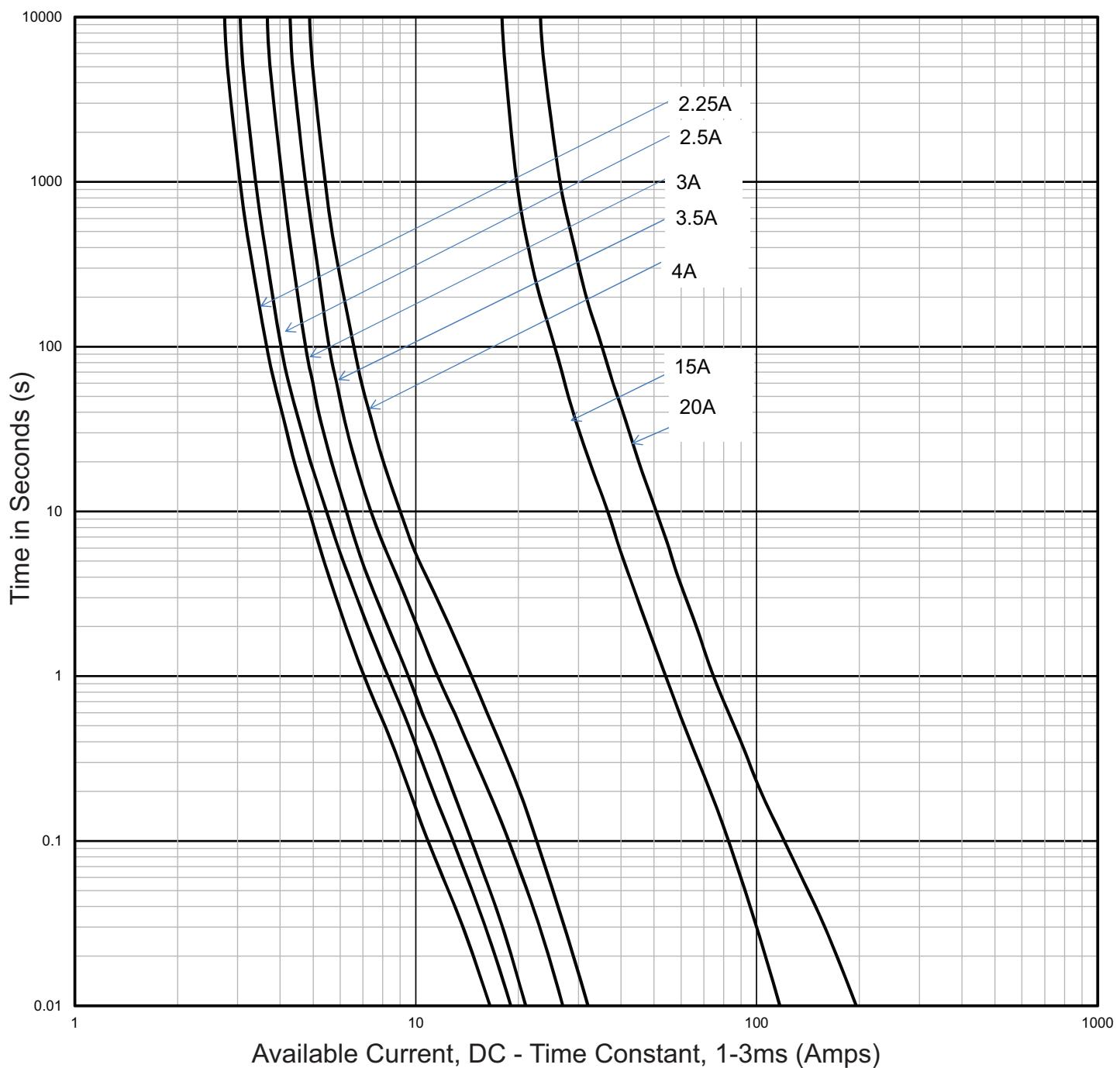
Typical applications:

- Combiner boxes
- Inverters
- PV wire harnesses

Specifications:

| Catalog numbers / configurations | | | Current rating (amps) | Voltage rating (Vdc) | Energy integrals I^2t (A ² s) | | Watts loss | |
|----------------------------------|-----------------------|-------------------------------|-----------------------|----------------------|--|------------------------|------------|-------|
| Cylindrical | Cylindrical with tags | Cylindrical with 10mm fixings | | | Pre-arcng | Total at rated voltage | 0.8 I_n | I_n |
| PV-2.25A14LF | PV-2.25A14L-T | PV-2.25A14LF10F | 2.25 | 1500 | 4 | 8 | 1.4 | 2.3 |
| PV-2.5A14LF | PV-2.5A14L-T | PV-2.5A14LF10F | 2.5 | 1500 | 5 | 10 | 1.5 | 2.5 |
| PV-3A14LF | PV-3A14L-T | PV-3A14LF10F | 3.0 | 1500 | 8 | 14 | 1.7 | 2.8 |
| PV-3.5A14LF | PV-3.5A14L-T | PV-3.5A14LF10F | 3.5 | 1500 | 12 | 23 | 1.8 | 3.0 |
| PV-4A14LF | PV-4A14L-T | PV-4A14LF10F | 4.0 | 1500 | 18 | 34 | 2.0 | 3.3 |
| PV-15A14LF | PV-15A14L-T | PV-15A14LF10F | 15 | 1500 | 14 | 160 | 3.2 | 5.8 |
| PV-20A14LF | PV-20A14L-T | PV-20A14LF10F | 20 | 1500 | 34 | 400 | 3.8 | 6.9 |
| PV-25A14LF | PV-25A14L-T | PV-25A14LF10F | 25 | 1300 | 65 | 550 | 4.1 | 7.5 |
| PV-32A14LF | PV-32A14L-T | PV-32A14LF10F | 32 | 1300 | 105 | 900 | 5.7 | 10.4 |

Dimensions/configurations - mm:**Cylindrical PV-(amp)A14LF****Cylindrical with 10mm fixings PV-(amp)A14LF10F****Cylindrical with tags PV-(amp)A14L-T**

Time-current characteristics**Recommended fuseclips:**

| Catalog number (max amps) | Description/data sheet no. |
|---------------------------|---|
| 1A3400-09 (20A) | PCB Fuseclips for PV-(amp)A14LF10F with 10mm fixings no. 2131 |
| 1A3400-10 (30A) | |
| 1A3400-12 (15A) | |

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Printed in USA
Publication No. 1172 — BU-SB14108
January 2017

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