COOPER Bussmann

# Fuse Links for Solar Panel Applications

## String Protection Fuse Links 1A to 15A 1000Vdc

**PV Fuses**




**Catalogue Symbol:**
PV-(amp rating)A10F
PV-(amp rating)A10-T
PV-(amp rating)A10-1P
PV-(amp rating)A10-2P

**Class of Operation:** gR - (full range, PV)

**Fuse Holders:**
PCB Clip: 1A3400-09
Modular fuse holder:
CHPV1 (1-pole non-indicating)
CHPV1I (1-pole neon indicating)
Fuse Block: BM603xPQ*

* self certified for 1000Vdc

**Standards/Approvals:** IEC 60269

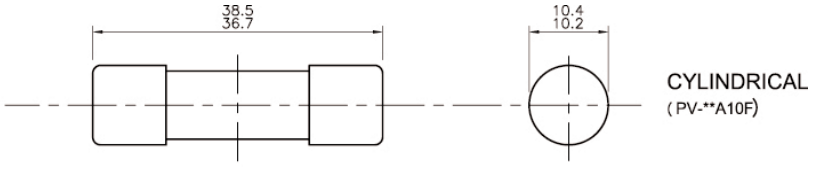
**Description:** A range of fuse links in a 10x38mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault) string arrays.

**Packaging:**
MOQ: 10
Packaging 100% recyclable

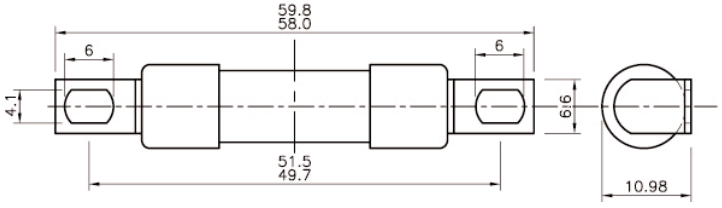
**Technical Data:**
PV fuse-links

| | |
|---|---|
| Rated voltage: | 1000Vdc |
| Amps: | 1A to 6A, 8A, 10A, 12A and 15A |
| Rated breaking capacity: | 33kAdc |
| Min Interrupting Rating: | 1.3 x $I_n$ |
| PV Fuse Coordination w/: | Thin film cells and 4”, 5” and 6” crystalline silicon cells. |
| Time Constant: | Under 1 ms |

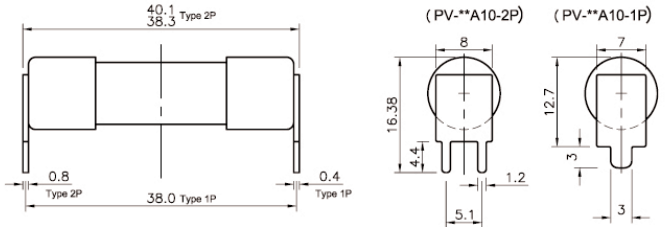
**Dimensions - mm**




CYLINDRICAL
(PV-**A10F)




BOLT FIXING
(PV-**A10-T)



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**PV Fuses**

| Part Number | Current Rating (Amps) | Energy Integrals $I^2t$ ($A^2s$) | | Power Loss (watts) | |
|---|---|---|---|---|---|
| | | Pre-Arcing | Total at 1000V | 0.8 $I^n$ | $I^n$ |
| **PV-1A10F** | 1 | 0.15 | 0.4 | 0.8 | 1.5 |
| **PV-2A10F** | 2 | 1.2 | 3.4 | 0.6 | 1.0 |
| **PV-3A10F** | 3 | 4 | 11 | 0.8 | 1.3 |
| **PV-4A10F** | 4 | 9.5 | 26 | 1.0 | 1.3 |
| **PV-5A10F** | 5 | 19 | 50 | 1.0 | 1.6 |
| **PV-6A10F** | 6 | 30 | 90 | 1.1 | 1.8 |
| **PV-8A10F** | 8 | 3 | 32 | 1.2 | 2.1 |
| **PV-10A10F** | 10 | 7 | 70 | 1.3 | 2.3 |
| **PV-12A10F** | 12 | 12 | 120 | 1.5 | 2.7 |
| **PV-15A10F** | 15 | 22 | 220 | 1.7 | 2.9 |

