

# Bussmann series 10 x 38 mm Photovoltaic fuse links



## Product description

Eaton's Bussmann series 10 x 38 mm photovoltaic fuse links are specifically designed to protect and isolate photovoltaic strings.

These fuse links are capable of interrupting low overcurrents associated with faulted PV string arrays (reverse current, multi-array fault).

## Features

- Compatible with Eaton's Bussmann series modular fuse holders (see data sheet 720147)

**Catalogue symbol**

- Cylindrical: PV-(amp rating)A10F
- Bolt fixing: PV-(amp rating)A10-T
- PCB Fixing 1 pin: PV-(amp rating)A10-1P
- PCB Fixing 2 pin: PV-(amp rating)A10-2P

**Fuse link size**

10 x 38 mm

**Technical data**

- Rated voltage: 1000 V d.c.
- Rated current: 1 to 20 A see tables below
- Class of operation: gPV
- Breaking capacity:
  - 50 kA (1 to 20 A)
  - 20 kA (25 A only)
- Minimum interrupting rating:
  - 1.3 x I<sub>n</sub> for 1-15 A
  - 1.5 x I<sub>n</sub> for 20 A
  - 2 x I<sub>n</sub> for 25 A
- PV fuse coordination with thin film cells and 4" 5" and 6" crystalline silicon cells
- Time constant: 1-3 ms

**Standards/Approvals**

- IEC® 60269-6 (gPV)
- UL® Listed to 248-19 (File number E335324)
- CCC® (1 to 20 A)
- CSA® File 53787, Class 1422-30 (1 to 15 A), 20 and 25 A pending
- RoHS compliant

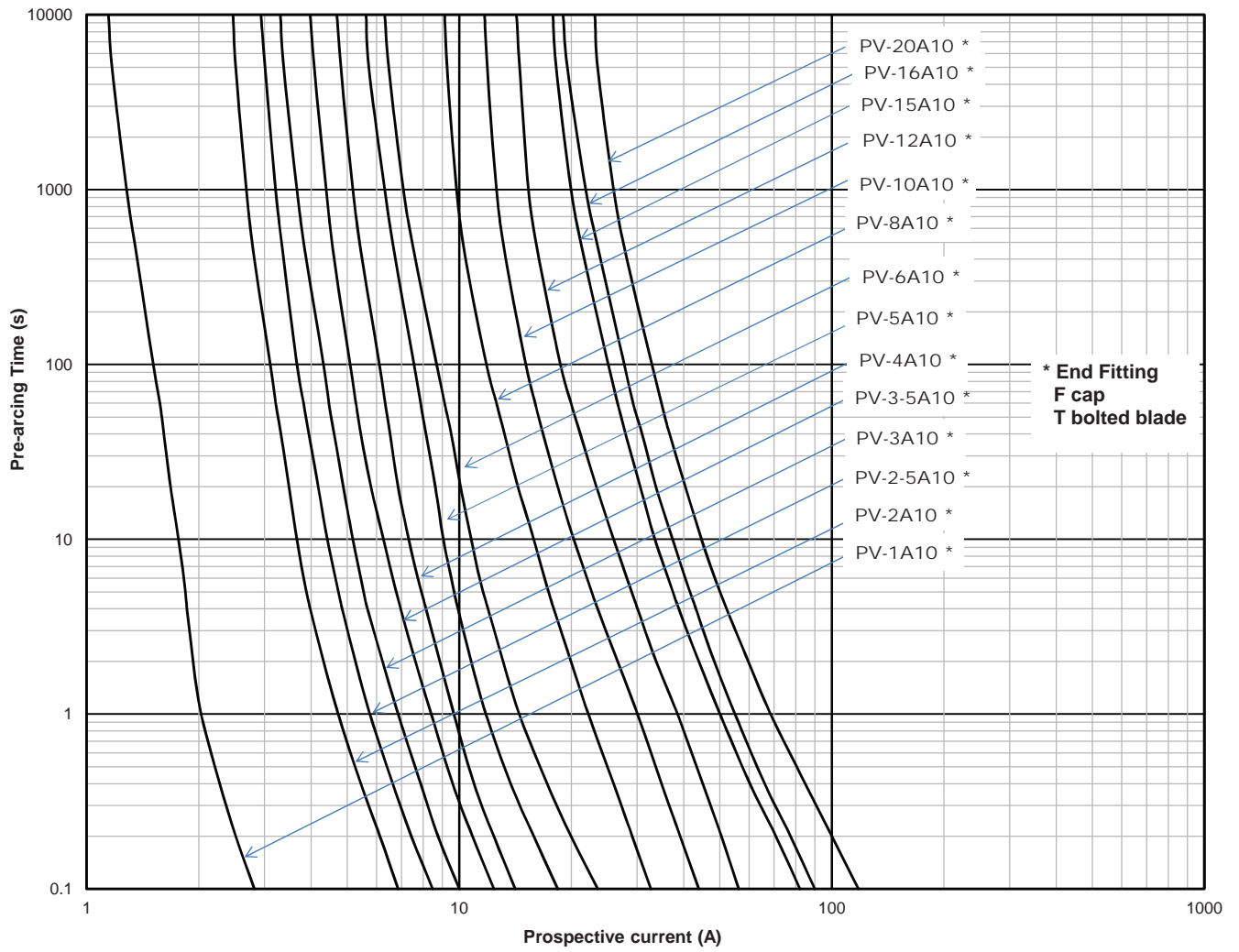
**Packaging**

- MOQ: 10

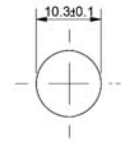
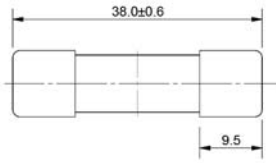
**Table 1. Technical data**

Cylindrical catalogue number	Bolt fixing catalogue number	PCB fixing catalogue number (1 Pin)	PCB fixing catalogue number (2 Pin)	Rated current (A)	Rated voltage (V d.c.)	Energy integrals I <sup>2</sup> t (A <sup>2</sup> s)		Watts loss (W)	
						Pre-arcing	Total at 1000 V d.c.	0.8 I <sub>n</sub>	I <sub>n</sub>
PV-1A10F	PV-1A10-T	PV-1A10-1P	PV-1A10-2P	1	1000 (IEC/UL)	0.2	0.4	0.8	1.5
PV-2A10F	PV-2A10-T	PV-2A10-1P	PV-2A10-2P	2		1.2	4	0.6	1
PV-2-5A10F	PV-2-5A10-T	PV-2-5A10F-1P	PV-2-5A10F-2P	2.5		3	9	0.6	1
PV-3A10F	PV-3A10-T	PV-3A10-1P	PV-3A10-2P	3		4	11	0.8	1.3
PV-3-5A10F	PV-3-5A10-T	PV-3-5A10-1P	PV-3-5A10-2P	3.5		6.6	18	0.9	1.4
PV-4A10F	PV-4A10-T	PV-4A10-1P	PV-4A10-2P	4		9.5	26	1	1.5
PV-5A10F	PV-5A10-T	PV-5A10-1P	PV-5A10-2P	5		19	50	1	1.6
PV-6A10F	PV-6A10-T	PV-6A10-1P	PV-6A10-2P	6		30	90	1.1	1.8
PV-8A10F	PV-8A10-T	PV-8A10-1P	PV-8A10-2P	8		3	32	1.2	2.1
PV-10A10F	PV-10A10-T	PV-10A10-1P	PV-10A10-2P	10		7	70	1.2	2.3
PV-12A10F	PV-12A10-T	PV-12A10-1P	PV-12A10-2P	12		12	120	1.5	2.7
PV-15A10F	PV-15A10-T	PV-15A10-1P	PV-15A10-2P	15		15	160	1.7	2.9
PV-16A10F	PV-16A10-T	PV-16A10-1P	PV-16A10-2P	16		19	200	1.8	3
PV-20A10F	PV-20A10-T	PV-20A10-1P	PV-20A10-2P	20		34	350	2.1	3.6
PV10M-25	-	-	-	25		325	1860	1.65	2.91

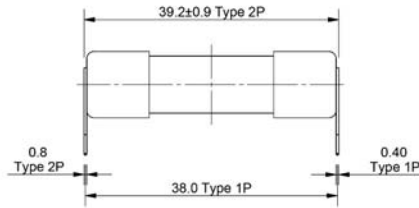
**Time current curve**



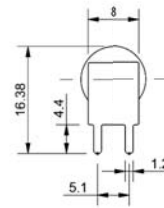
Dimensions — mm



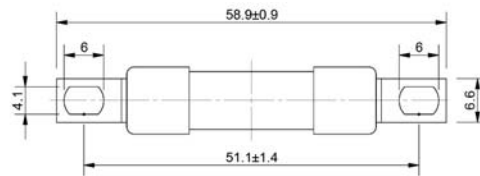
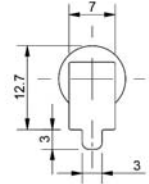
**CYLINDRICAL**  
(PV-\*\*A10F)



(PV-\*\*A10-2P)



**PCB FIXING**  
(PV-\*\*A10-1P)



**BOLT FIXING**  
(PV-\*\*A10-T)

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