

Bussmann series 10 x 38 mm Photovoltaic fuse links



Product description

Eaton's Bussmann series range of 10 x 38 mm photovoltaic fuse links is 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 size

10 x 38 mm

Technical data

- Rated voltage: 1000 V d.c.
- Rated current: 1-3, 3.5, 4-6, 8 10, 12, 15, 20 and 25 A
- Class of operation: gPV
- Breaking capacity:
 - 50 kA (1 to 20 A)
 - 20 kA (25 A only)
- Minimum interrupting rating:
 - 1.3 x I_n for 1-15 A
 - 1.5 x I_n for 20 A
 - 2 x I_n 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
- UL 2579 (File number E335324)
- CCC (1 to 15 A)
- RoHS compliant

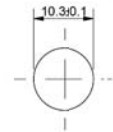
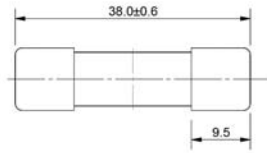
Packaging

- MOQ: 10

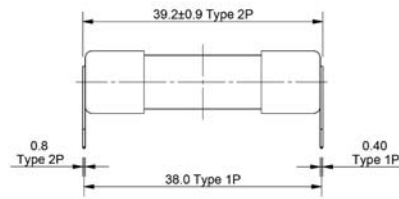
Table 1. Technical data

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 ² t (A ² s)		Watts loss (W)	
						Pre-arcing	Total at 1000 V d.c.	0.8 I _n	I _n
PV-1A10F	PV-1A10-T	PV-1A10-1P	PV-1A10-2P	1	1000 (IEC/UL)	0.15	0.4	0.8	1.5
PV-2A10F	PV-2A10-T	PV-2A10-1P	PV-2A10-2P	2		1.2	3.4	0.6	1.0
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	1.0	1.5
PV-5A10F	PV-5A10-T	PV-5A10-1P	PV-5A10-2P	5		19	50	1.0	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		22	220	1.7	2.9
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	

Dimensions – mm

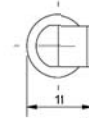
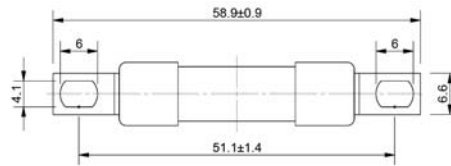
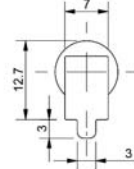
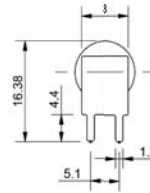


CYLINDRICAL
 (PV-**A10F)



(PV-**A10-2P)

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



BOLT FIXING
 (PV-**A10-T)

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

Eaton
 EMEA Headquarters
 Route de la Longeraie 7
 1110 Morges, Switzerland
 Eaton.eu

© 2015 Eaton
 All Rights Reserved
 Publication No. 720110
 September 2015

Eaton is a registered trademark.

All other trademarks are property of their respective owners.