COOPER Bussmann

Fuse Links for Solar Panel Applications

PV Fuses

String Protection Fuse Links 1A to 15A 1000Vdc

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

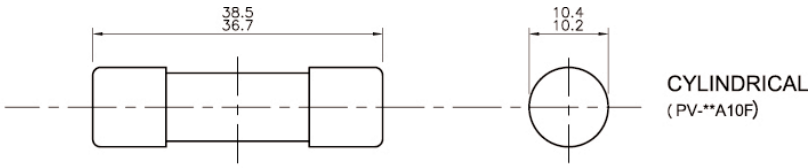
Technical Data:
PV fuse-links

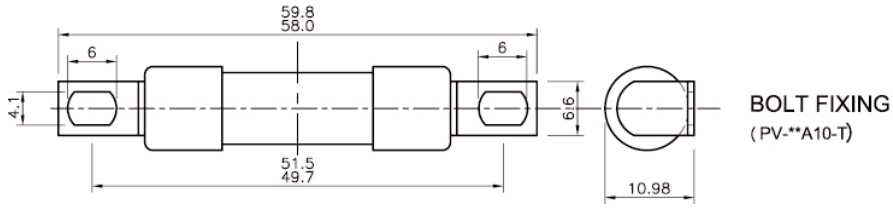
Rated voltage:	1000Vdc
Amps:	1A to 6A, 8A, 10A, 12A and 15A
Rated breaking capacity:	33kAdc
Min Interrupting Rating:	1.3 x I_n

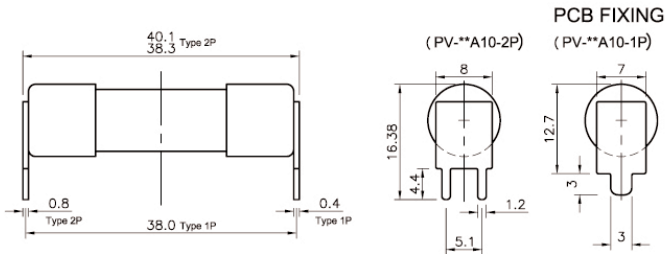
PV Fuse Coordination w/: Thin film cells and 4", 5" and 6" crystalline silicon cells.

Time Constant: Under 1 ms

Dimensions - mm







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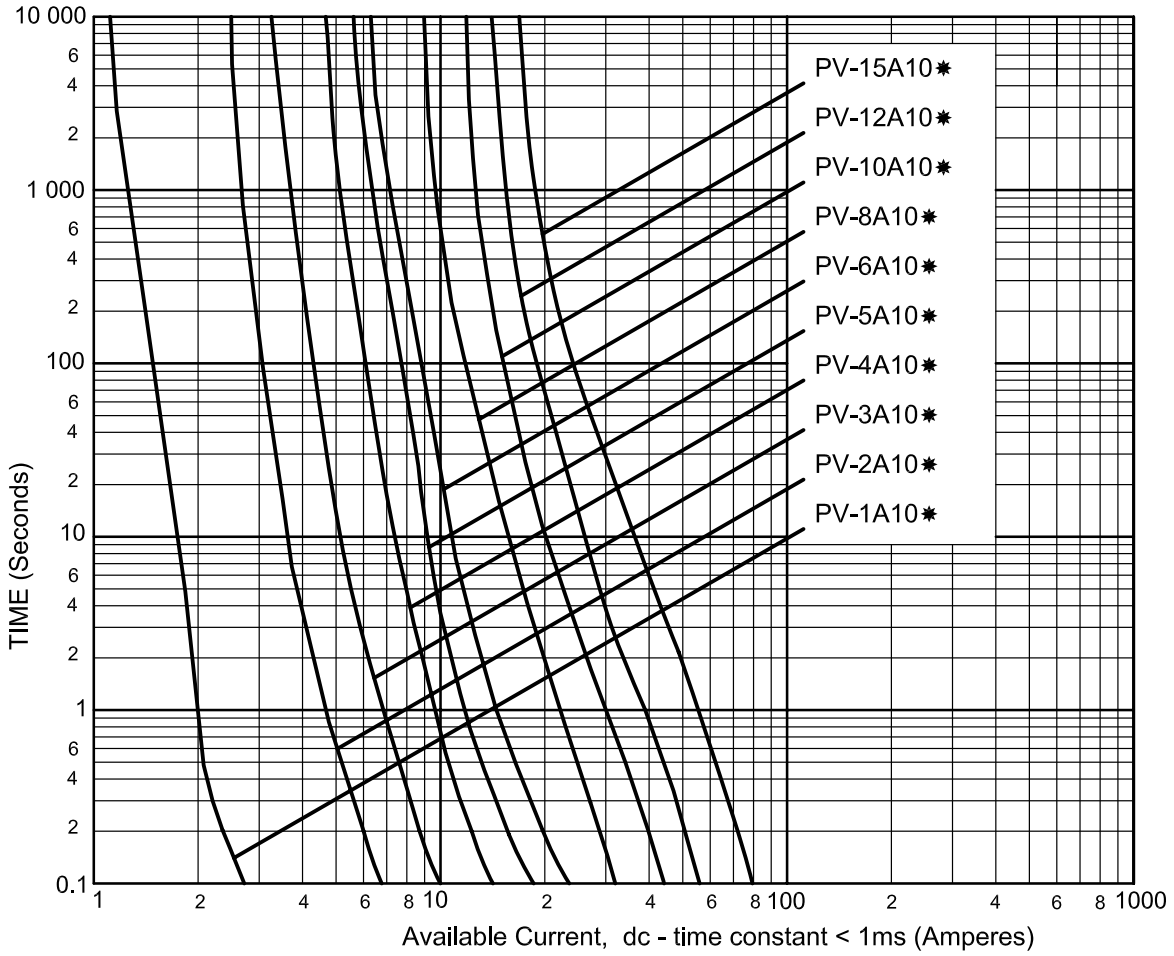
Part Number	Current Rating (Amps)	Energy Integrals I^2t (A^2s)		Power Loss (watts)	
		Pre-Arcing	Total at 1000V	0.8 I^n	I^n
PV-1A10F	1	0.15	0.4	0.8	1.5
PV-2A10F	2	1.2	3.4	0.6	1.0
PV-3A10F	3	4	11	0.8	1.3
PV-4A10F	4	9.5	26	1.0	1.3
PV-5A10F	5	19	50	1.0	1.6
PV-6A10F	6	30	90	1.1	1.8
PV-8A10F	8	3	32	1.2	2.1
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