

Complete and reliable solar fusible circuit protection

PONLEE
豐立自動控制器材有限公司
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Powering Business Worldwide

PV-A10, 10 x 38 mm photovoltaic fuse links, 1 to 20 A, 1000 V d.c.

Technical data - Cylindrical, Bolt fixing and In-line with crimp terminal

Rated voltage	Rated current (Amps)	I _t (A ² Sec)		Watts loss (W)		Catalogue numbers		
		Pre-arcing	Total at 1000 V d.c.	0.8 I _n	I _n	Cylindrical	Bolt fixing	In-line with crimp terminal
1000 V d.c. (UL/IEC)	1	0.2	0.4	0.8	1.5	PV-1A10F	PV-1A10-T	PV-1A10F-CT
	2	1.2	4	0.6	1.0	PV-2A10F	PV-2A10-T	PV-2A10F-CT
	2.5	3	9	0.6	1.0	PV-2-5A10F	PV-2-5A10-T	PV-2-5A10F-CT
	3	4	11	0.8	1.3	PV-3A10F	PV-3A10-T	PV-3A10F-CT
	3.5	6.6	18	0.9	1.4	PV-3-5A10F	PV-3-5A10-T	PV-3-5A10F-CT
	4	9.5	26	1.0	1.5	PV-4A10F	PV-4A10-T	PV-4A10F-CT
	5	19	50	1.0	1.6	PV-5A10F	PV-5A10-T	PV-5A10F-CT
	6	30	90	1.1	1.8	PV-6A10F	PV-6A10-T	PV-6A10F-CT
	8	3	32	1.2	2.1	PV-8A10F	PV-8A10-T	PV-8A10F-CT
	10	7	70	1.2	2.3	PV-10A10F	PV-10A10-T	PV-10A10F-CT
	12	12	120	1.5	2.7	PV-12A10F	PV-12A10-T	PV-12A10F-CT
	15	15	160	1.7	2.9	PV-15A10F	PV-15A10-T	PV-15A10F-CT
	16	19	200	1.8	3	PV-16A10F	PV-16A10-T	PV-16A10F-CT
	20	34	350	2.1	3.6	PV-20A10F	PV-20A10-T	PV-20A10F-CT



Cylindrical



With bolt fixing



In-line with crimp terminal

Technical data - PCB

Rated voltage	Rated current (Amps)	I _t (A ² Sec)		Watts loss (W)		Catalogue numbers		
		Pre-arcing	Total at 1000 V d.c.	0.8 I _n	I _n	PCB fixing single pin	PCB fixing double pin	PCB fixing double pin silver cap
1000 V d.c. (UL/IEC)	1	0.2	0.4	0.8	1.5	PV-1A10-1P	PV-1A10-2P	PV-1A10-2P-S
	2	1.2	4	0.6	1.0	PV-2A10-1P	PV-2A10-2P	PV-2A10-2P-S
	2.5	3	9	0.6	1.0	PV-2-5A10-1P	PV-2-5A10-2P	PV-2-5A10-2P-S
	3	4	11	0.8	1.3	PV-3A10-1P	PV-3A10-2P	PV-3A10-2P-S
	3.5	6.6	18	0.9	1.4	PV-3-5A10-1P	PV-3-5A10-2P	PV-3-5A10-2P-S
	4	9.5	26	1.0	1.5	PV-4A10-1P	PV-4A10-2P	PV-4A10-2P-S
	5	19	50	1.0	1.6	PV-5A10-1P	PV-5A10-2P	PV-5A10-2P-S
	6	30	90	1.1	1.8	PV-6A10-1P	PV-6A10-2P	PV-6A10-2P-S
	8	3	32	1.2	2.1	PV-8A10-1P	PV-8A10-2P	PV-8A10-2P-S
	10	7	70	1.2	2.3	PV-10A10-1P	PV-10A10-2P	PV-10A10-2P-S
	12	12	120	1.5	2.7	PV-12A10-1P	PV-12A10-2P	PV-12A10-2P-S
	15	15	160	1.7	2.9	PV-15A10-1P	PV-15A10-2P	PV-15A10-2P-S
	16	19	200	1.8	3	PV-16A10-1P	PV-16A10-2P	PV-16A10-2P-S
	20	34	350	2.1	3.6	PV-20A10-1P	PV-20A10-2P	PV-20A10-2P-S



PCB 1 Pin



PCB 2 Pin

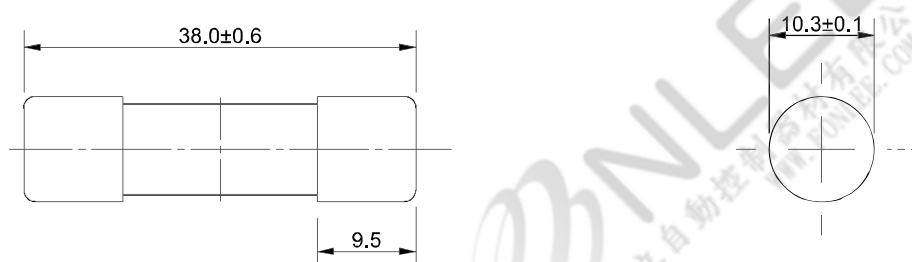
PV-A10, 10 x 38 mm photovoltaic fuse links, 1 to 20 A, 1000 V d.c.

Compatible fuse holders and clips

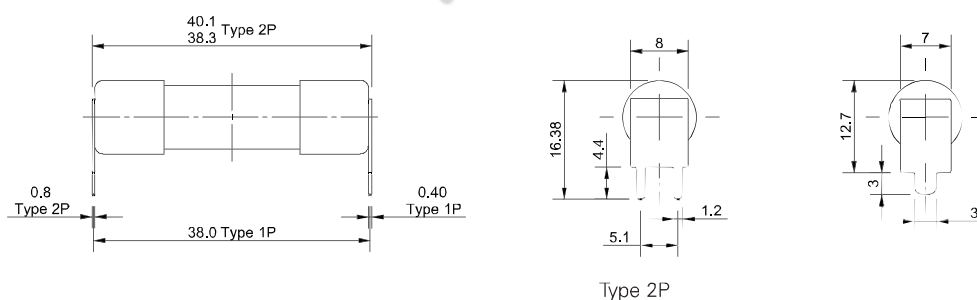
Rated voltage	Fuse type		Compatible in-line holders	Compatible modular fuse holders	Compatible fuse clips
1000 V d.c.	Cylindrical	PV-1A10F	HPV-DV-**	CHPV	1A3400
		PV-2A10F	HPV-DV-**	CHPV	1A3400
		PV-2-5A10F	HPV-DV-**	CHPV	1A3400
		PV-3A10F	HPV-DV-**	CHPV	1A3400
		PV-3-5A10F	HPV-DV-**	CHPV	1A3400
		PV-4A10F	HPV-DV-**	CHPV	1A3400
		PV-5A10F	HPV-DV-**	CHPV	1A3400
		PV-6A10F	HPV-DV-**	CHPV	1A3400
		PV-8A10F	HPV-DV-**	CHPV	1A3400
		PV-10A10F	HPV-DV-**	CHPV	1A3400
		PV-12A10F	HPV-DV-**	CHPV	1A3400
		PV-15A10F	HPV-DV-**	CHPV	1A3400
		PV-16A10F	HPV-DV-**	CHPV	1A3400
		PV-20A10F	HPV-DV-**	CHPV	1A3400

Please note no fuse holders and/or clips are compatible with the Bolt fixing, in-line crimp terminal and PCB fixings versions

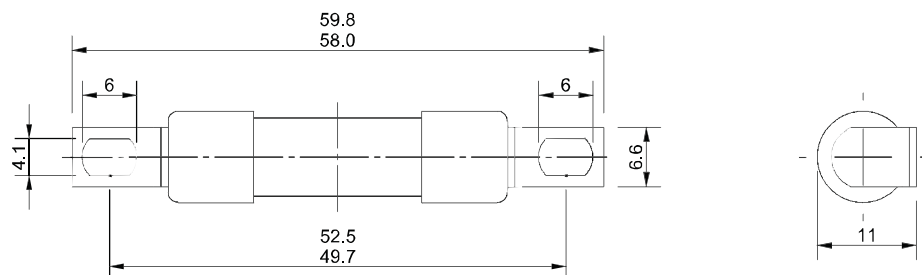
Dimensions (mm) Cylindrical PV-**A10F



Dimensions (mm) PCB fixing PV-**A10-xP

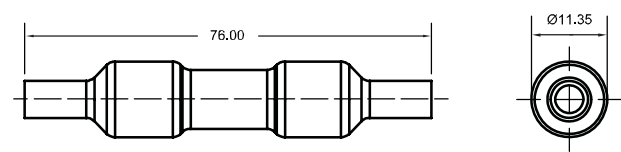


Dimensions (mm) Bolt fixing PV-**A10-T



PV-A10, 10 x 38 mm photovoltaic fuse links, 1 to 20 A, 1000 V d.c.

Dimensions (mm) In-line with crimp terminal PV-**A10F-CT



The in-line crimp terminal version can be electrically insulated with customer supplied overmolding or approved heat-shrink.

Operating temperature range

- -40°C to 90°C

Wire range and type

- Single conductor, 12-10AWG 75°C/90°C Cu stranded PV

Overmolding temperature parameters

- 233°C for 180 sec Max

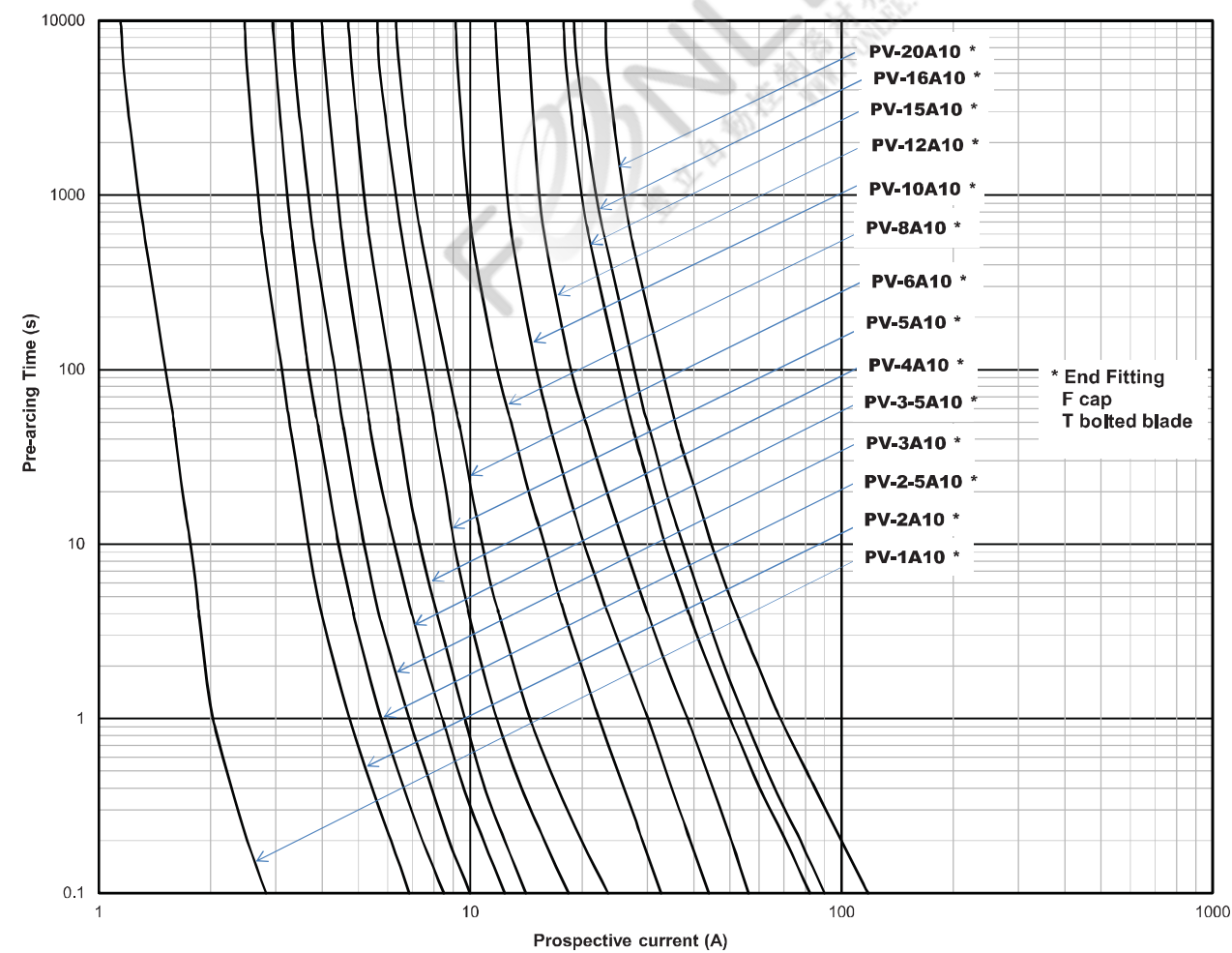
Terminals

- Crimp terminal for 12-10AWG PV copper conductors

Recommended tools

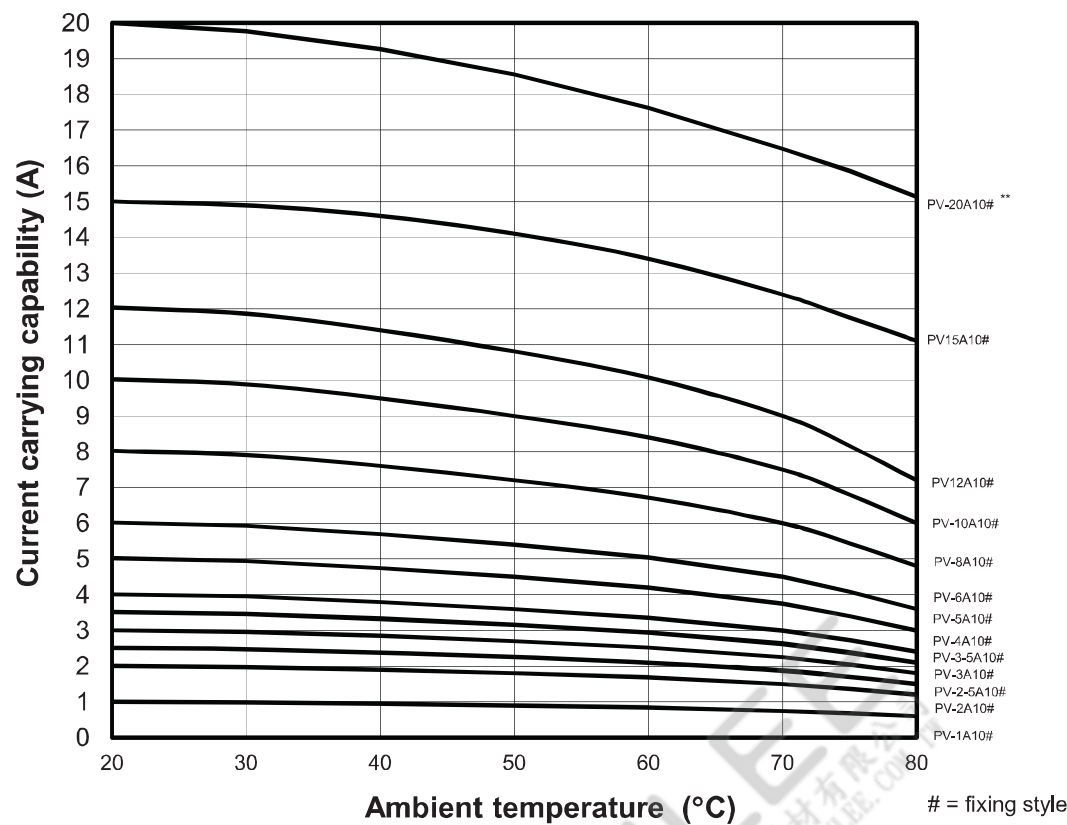
- Sta-Kon® terminal crimping tool, catalog number ERG4002

Time current curve



PV-A10, 10 x 38 mm photovoltaic fuse links, 1 to 20 A, 1000 V d.c.

Temperature derating



Data sheet: 720110

CHPV, Modular fuse holders 32A (IEC), 30 A (UL), 1000 V d.c.

Description

Compact DIN-Rail mounting fuse holders specifically designed for 10 x 38 mm cylindrical photovoltaic fuse links.

Catalogue numbers

- CHPV1U 1-pole modular fuse holder
- CHPV2U 2-pole modular fuse holder
- CHPV1IU 1-pole modular fuse holder with neon indicator
- CHPV2IU 2-pole modular fuse holder with neon indicator



Technical data

IEC		UL		Terminal rating	Rated breaking withstand capacity	Compatible Bussmann series fuse links
Rated voltage	Rated current	Rated voltage	Rated current			
1000 V d.c.	32 A	1000 V d.c.	30 A	IEC 1 to 25 mm ² 70°C PVC Copper cable (solid stranded or fine stranded) Spade lug Comb bus bar	33 kA rms sym	Solar PV range: PVM, PV-A10F Cylindrical

Standards / Agency information

IEC	UL	CSA	CCC	CE
IEC 60269-1	UL 4248-1 UL4248-19 UL file E14853	C22.2 No 4248.1 C22.2 No 4248.19	GB 13539.1	DCB 272

Dimensions mm (in)

