



### Ordering Information

PVXXX - XXX A XXX V XX

| Mounting type: P1, P2, D2, D08, AB  
| Voltage rating  
| Current rating

Size code: 10, 160, 355, 630, NH1, NH2, NH3, XL1, XL2, XL3, XL4

### Notes:

The mounting type is optional. Followed by P1 for PCB 1 series and P2 for PCB2 white ordering (eg PV10 10A 1000V P1)

### Description:

As the installations and demand for solar photovoltaic (PV) systems increases so does the need for effective electrical protection.

The PV series solar protection fuses is specially designed for PV systems.

### Features:

- Designed according to UL2579, IEC60269, GB13539
- Complying with RoHS
- UL certified (File No.364283)

### Ratings:

Voltage Rating: 1000V DC(or less)

Current Rating: 1A-630A

Interrupt Rating: 10kA (1000V)DC

30kA(1000V)DC

50kA(1000V)DC

## Mechanical Dimensions

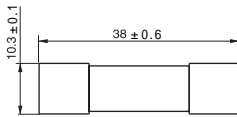


Fig.1

### PCB1 SERIES:

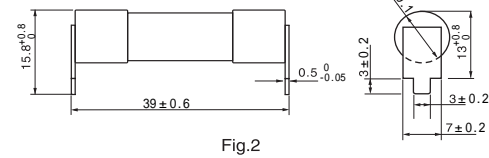


Fig.2

### PCB2 SERIES:

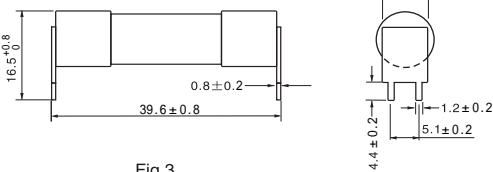


Fig.3

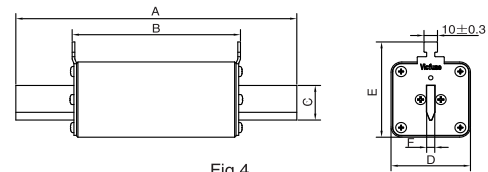


Fig.4

### Terminal D08

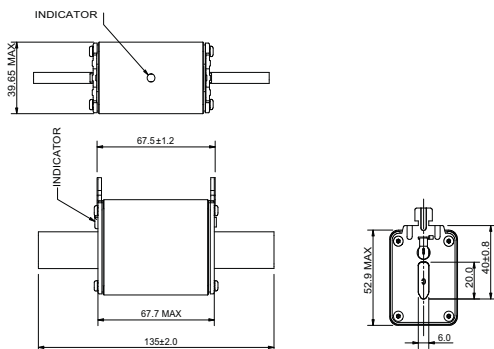


Fig.5

### Terminal AB

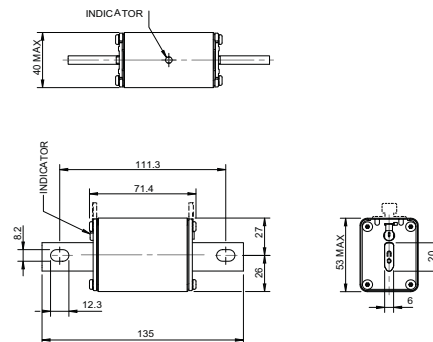


Fig.6

● Mechanical Dimensions

Catalog Numbers	Ref.Fig	Current Rating(A)	Mechanical Dimensions(mm)									
			A	B	C	D	E	F	G	H	I	J
PV 10	1,2,3	1-30	Shown in Fig 1,2 and 3									
PV160	4	63-160	195	128	20	43	45	6	-	-	-	-
PV355	4	200-355	208	125	26	60	74	6	-	-	-	-
PV630	4	400-630	205	128	32	74	65	6	-	-	-	-
PV NH1	5.6	32-200	Shown in Fig 5,6									
PV NH2	7,8	160-300	Shown in Fig 7,8									
PV NH3	9,10	315-400	Shown in Fig 9,10									
PV XL1	11	63-160	189	127	20	46.5	46.5	129	120	40.4	21.3	8.9
PV XL2	11	200	189	123.5	20	52	52	128	120	40.8	20	-
PV XL3	11	160-355	205	123	25	60	61	130	117	61	20	16.5
PV XL4	11	350-600	205	122	32	75	75	127	118	60.8	22	18

● Electrical Specifications

Current Rating	Clearing Time (minutes)		
	1 I <sub>n</sub> (Min)	1.35 I <sub>n</sub> (Max)	2 I <sub>n</sub> (Max)
1A-30A	240	60	5

● Electrical Specifications

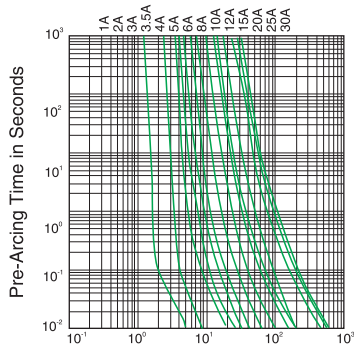
Catalog Numbers	Current Rating (A)	Nominal Melting(A <sup>2</sup> S)	Power Loss @0.8 I <sub>n</sub> (W)	Voltage Rating	Interrupt Rating	Remarks
PV10 (10*38mm)	1	0.5	0.4	1000V (or less)	10kA@1000V DC (L/R=2ms)	PCB1/PCB2 are optional
	2	4.5	0.7			
	3	8.0	0.78			
	3.5	14	0.79			
	4	22	0.80			
	5	40	0.83			
	6	80	0.86			
	8	200	0.90			
	10	390	0.97			
	11	400	1.00			
	12	620	1.10			
	15	700	1.35			
	20	1300	1.50			
	25	2200	1.67			
30	2510	2.00				
PV160	63	3800	12.00	50kA	N/A	
	80	5500	16.00			
	100	11500	17.60			
	125	22000	19.20			
	160	45000	21.10			

● Electrical Specifications

Catalog Numbers	Curent Rating (A)	Nominal Melting(A <sup>2</sup> S)	Power Loss @0.8 I <sub>n</sub> (W)	Voltage Rating	Interrupt Rating	Remarks
PV355	200	35000	29.00	1000V (or less)	30kA	N/A
	250	65000	33.20			
	315	119000	38.00			
	355	200000	40.00			
PV630	400	240000	47.00		50kA	
	500	380000	49.00			
	630	690000	82.00			
PV NH1	32	80	4		1000V DC	
	40	185	5			
	50	400	6			
	63	470	6			
	80	640	8			
	100	1300	8			
	125	2600	9			
	160	5200	14			
PV NH2	160	4600	14	50kA		
	200	9500	16			
	250	17000	19			
PV NH3	300	32000	24	50kA		
	315	32000	26			
	350	44500	27			
	355	44500	28			
	400	67500	30			
PV XL1	63	1860	12	1000v DC	50kA	N/A
	80	3640	18			
	100	6250	19			
	125	13800	21			
PV XL2	160	28150	23		30kA	
	200	27300	30			
PV XL3	160	21100	24		30kA	
	200	37100	29			
	250	70200	35			
	315	123100	41			
	355	192100	43			
PV XL4	350	161300	41		50kA	
	400	231300	49			
	500	442100	51			
	600	712500	81			

● Electrical Specifications

Average Time-Current Curve (PV10)



Average Time-Current Curve (PV160)

