

# PSV Series

## for 2 Pole V Configurations

### Type 1CA (Din-rail Mounting SPDs)

PRIME POWER SOLUTIONS's Type 1CA Surge Protective Devices are designed for PV/ Photovoltaic system dc-side protection against the damaging from surges and spikes caused by lightning and other electrical sources UL1449-4th Type 1CA listed Surge Protective Devices for PV/ Photovoltaic system.

For common mode protection

UL1449-4th, Short circuit current rating (SCCR) up to 100kA

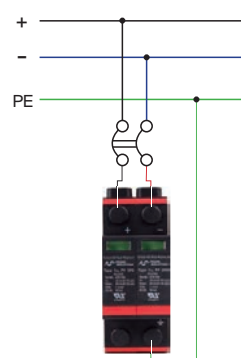
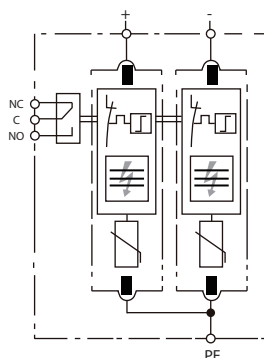


## Specifications

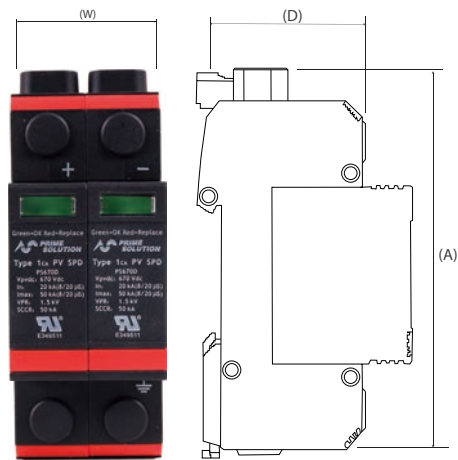
- Cross-section of connection wire : Single-strand 35mm<sup>2</sup>; Multi-strand 25mm<sup>2</sup>
- Mounting : 35mm DIN-rail in accordance with EN 50022/DIN46277-3
- Enclosure material : thermoplastic; extinguishing degree UL94 V-0
- Degree of protection : IP20
- Thermal disconnecter : Internal green – normal ; red - failure
- Switching capability Un/In : AC : 250V/0.5A DC : 250V/0.1A 125V/0.2A 75V/0.5A
- Max. Size of Remote connecting wire : Max. 1.5mm<sup>2</sup>(or # 16AWG)

Model No.		PSV48-V-C-S	PSV500-V-C-S	PSV600-V-C-S
MCOV	VDC	48	500	600
	VAC	85	560	670
$I_n$ (kA) -8/20 $\mu$ S- / $I_{max}$ (kA) -8/20 $\mu$ S-		20 / 50		
VPR(Vpk) (kV)	+/- - PE	0.4	1.5	1.5
	+ - -	0.8	3.0	3.0
SCCR(kA)		30	100	50

## Basic Circuit Diagram



## ● Dimension



	Size (inch/mm)
W	1.42 / 36
D	2.55 / 65
A	3.54 / 90

memo



## HEAD OFFICE

3960 West Point Loma Blvd. Ste. H San Diego, CA 92110

John Park Director / Technical Support Dept.

Tel : +1-858,282,0901

johnpark@primepowersolutions.com

www.PrimePowerSolutions.com