



PVA Series

DC & Photovoltaic Surge Protection Device



i The **PVA Series SPD** is UL recognized in accordance with the **UL 1449 5th Edition Standard** as a DC SPD **for use in DC and PV applications**.

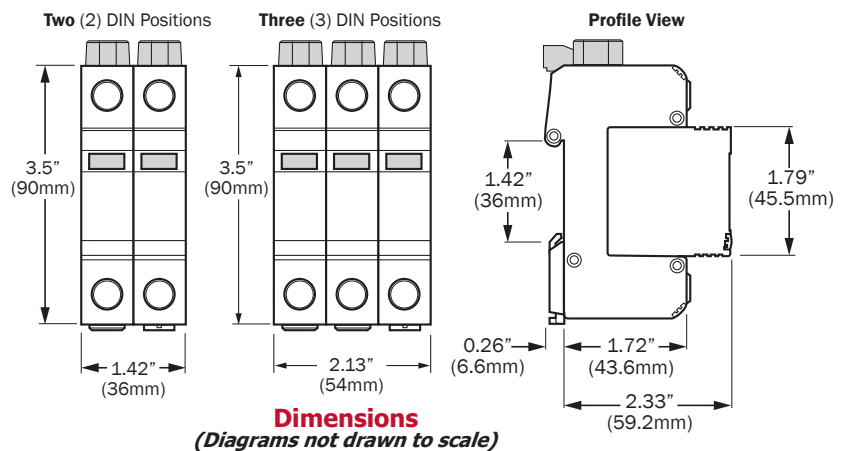
These **Type 1CA & Type 2CA Surge Protection Devices** are for use in Type 1, Type 2, Photovoltaic and DC Systems. They are pluggable devices designed with **window fault indicators** for easy monitoring and replacement.

The PVA SPD's are available in 3 configurations; "I" (Single Mode), "V" (Common Mode) and "Y" (Differential Mode) making them perfect for multiple applications. They are **highly reliable** due to the patented thermally protected MOV's employed. **Units do not require additional front end safety fusing.**



Window Fault Indicators
per Module / Pole

Replaceable Modules
Tool-Free, Low Maintenance



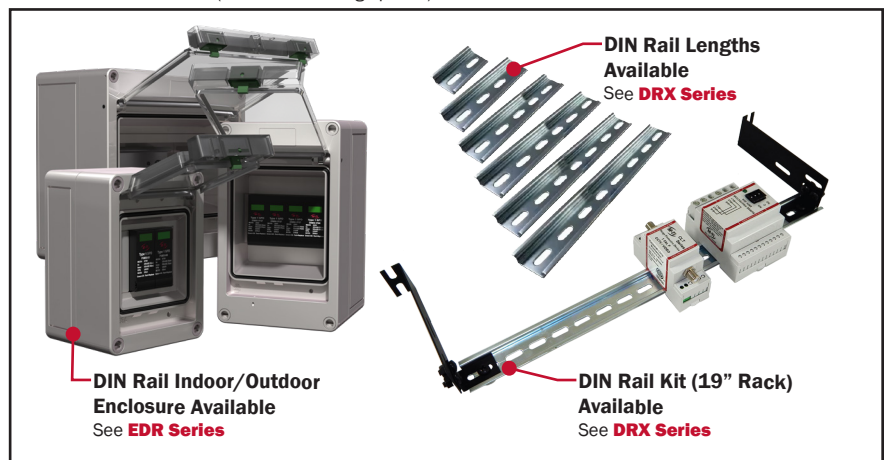
Product Specifications	
Voltage Protection Rating	<1.5kV
Repetative Impulse Rating (I _n)	20kA
Max Surge Current (8/20) I _{max}	50kA
Response Time	< 25ns
Enclosure	Thermoplastic:extinguishing degree UL94 V-0
Operating Temperature	-40°C to 85°C
Safety Standards	ANSI/UL 1449 & CSA 22.2
Approvals/Certifications	UL/CE/ROHS
Mounting	35mm DIN-rail (see DIN Positions)

DIN Positions: **1 Position** = 18mm

i **Common Mode ("V") Configuration** is available for ≤600 Volt applications. For >600 Volt protection, a Differential Mode ("Y") SPD is recommended.

i **Differential Mode ("Y") Configuration** is available for >600 Volt applications. "V" and "Y" models can also be combined for higher kA Rating.

Related Products (DIN Rail mounting options)



Model Number	# of Poles	DIN Positions	Nominal (Vdc)	Max Permitted (Vdc)	Nominal I _N 8x20μs kA	I _{Max} (8x20μs) kA	VPR (Vdc)	SCCR Rating kA
PVA50-2P-048v-S	2	2	48V	85V	20kA	50kA	400V	30kA
PVA50-2P-600v-S	2	2	600V	670V	20kA	50kA	1500V	50kA
PVA50-3P-1000y-S	3	3	1000V	1120V	20kA	50kA	2500V	50kA
PVA50-3P-1500y-S	3	4	1500V	1500V	20kA	50kA	4000V	50kA

DIN Positions: **1 Position** = 18mm

Additional Voltage and Configurations available: Contact us for options.

MTI102025