

Bremas Ersce S.p.A.

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SAPV100T2 - SAPV100T2R



				SAPV100T2	SAPV100T2R
Standards					
Applicable Standards				IEC 61643-31 / EN 50536-11	
Technical data					
Maximum continuous operating voltage	(DC+) - PE, (DC-) - PE	UcPV	V	1000	
, ,	(DC+) - (DC-)	UcPV	V	1000	
Nominal discharge current (8/20 μs)		In	kA	20	
Impulse Discharge Current (10/350 μs)		limp	kA	-	
Total discharge current (10/350 μs)		Itot	kA	-	
Total discharge current (8/20 μs)		Itot	kA	40	
Maximum discharge current (8/20 μs)		[max	kA	40	
Voltage protection level	(DC+) - PE, (DC-) - PE	Up	kV	4	
	(DC+) - (DC-)	Up	kV	4	
Response time		tA	ns	< 25	
Short-circuit current rating		Iscpv	kA	10	
Number of ports		Nr		1	
Functional data	-	1			
IEC/EN category	Type / Class			2 / II	
Protective elements	7,1-7			High energy MOV	
Mechanical characteristics	-				<u> </u>
Terminal screw torque		Mmax	Nm	4	,5
Conductor cross section (max)		Solid, Stranded	mm ²	35	
			AWG	2	
		Flexible	mm ²	25	
		T	AWG	4	
Mounting				35 mm DIN rail, EN 60715	
Degree of protection				IP20 (built-in)	
Housing material				Thermoplastic Extinguishing Degree UL 94 V-0	
Thermal Protection				Yes	
Operating State / Fault Indication				Green ok / Red defect	
Remote Contacts	Switching capacity	AC	V	-	250 / 125
			А	-	0,5 / 0,2
		DC	V	-	250 / 75
			Α	-	0,1 / 0,5
	Conductor cross section (max)		mm ²	-	1,5
			AWG	-	16
Dimensions (W-D-H)			mm	54 x 67 x 90	54 x 67 x 96
Weight			g	29,9	30,3
Ambient conditions					
Permissible operating humidity			%HR	5 ÷ 95	
Operating temperature		Ta	°C	-40 ÷ +70	
Atmospheric pressure and altitude			k Pa	80 ÷ 106	
			m	-500 / 2000	
				Indoor	

Surge Protective Device (SPD) for PV applications, DC side, Type 2/ Class II (IEC 61643-31), of the voltage limiting type with metal oxide varistor technology (MOV) associated with a thermal disconnection device (overtemperature).

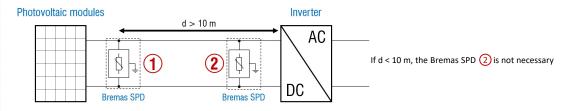
Characteristics

- It allows replacement of plugs with the system powered on.
- Local indicator of the operating status conditions.
- Remote signaling of the operating conditions (optional).
- Internal switch to disconnect the SDP at the end of its lifetime.
- Fixing on DIN rail.

Application

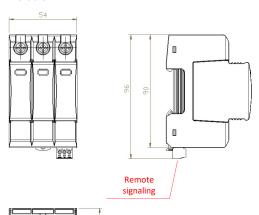
Suitable for protection against induced overvoltages. Typically installed inside string boxes and/or combiner boxes and/or inverter for PV applications.

Mounting tips

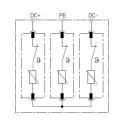


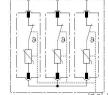
Dimensions

Dimensions in mm



Electrical circuit





SAPV100T2R

SAPV100T2

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