

Bremas Ersce S.p.A.

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SAPV060T2 - SAPV060T2R



				SAPV060T2	SAPV060T2R	
Standards						
Applicable Standards				IEC 61643-31 / EN 50536-11		
Technical data						
Maximum continuous operating voltage	(DC+) - PE, (DC-) - PE	UcPV	V	600		
	(DC+) - (DC-)	UcPV	V	-		
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)		Imax	kA	40		
Voltage protection level	(DC+) - PE, (DC-) - PE	Up	kV	2,2		
	(DC+) - (DC-)	Up	kV	2,2		
Response time	(201) (20)	t _A	ns	< 25		
Short-circuit current rating		Iscpv	kA	10		
Number of ports		Nr		1		
Functional data					_	
IEC/EN category	Type / Class			2 / II		
Protective elements	7,			High energy MOV		
Mechanical characteristics	<u>'</u>					
Terminal screw torque		Mmax	Nm	4,5		
Conductor cross section (max)		Solid, Stranded	mm²	35		
			AWG 2			
		Flexible			:5	
		1 1	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	
		'''	A	_	0,5 / 0,2	
		DC	V	_	250 / 75	
			A	-	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	•	1		-/-	/-	
Permissible operating humidity			%HR	5 ÷ 95		
Operating temperature		Ta	°C	-40 ÷ +70		
Atmospheric pressure and altitude			k Pa	80 ÷ 106		
			m	-500 / 2000		
Installation				Indoor		
	1	1		Illuooi		

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).

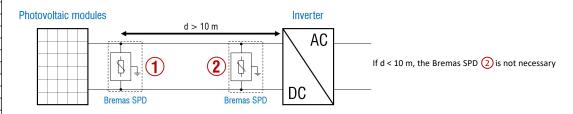
Characteristics

- 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

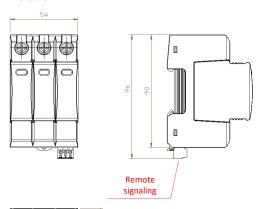
Suitable for protection against induced overvoltages. Typically installed inside string boxes and/or combiner boxes and/or inverter for PV applications.

Mounting tips



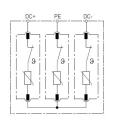
Dimensions

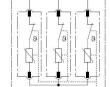
Dimensions in mm



Electrical circuit

SAPV060T2





SAPV060T2R

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