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SAPV060T2 - SAPV060T2R

CE FR			SAPV060T2	SAPV060T2R
Standards				
Applicable Standards		EN 50539-11 / IEC 61643-31		
Technical data				
Residual current	IPE	μA	< 500	
Permanent current for PV application	I _{CPV}	μA	< 500	
Maximum continuous operating voltage	U _{CPV}	Vdc	600	
Nominal discharge current (8/20 μ s)	l _n	kA	18	
Maximum discharge current (8/20 μ s)	I _{max}	kA	40	
Total discharge current (8/20 μ s)	I _{total}	kA	40	
Reference voltage (1 mA)	UREF	Vdc	860	
Short-circuit current without back-up fuse	ISCPV	kA	1	
Voltage protection level	Up	kV	< 2,7	
Remote signaling relay - Electrical parameters			-	230 Vac / 1A 24 Vdc / 1A
Functional data				
SPD typology			Type 2 / Class II	
Protection technology			Metal Oxide Varistor (MOV)	
Protection mode			L+ / PE, L / PE (common mode) L+ / L- (differential mode)	
Typical response time	tA	ns	< 25	
Thermal protection			Yes	
SPD failure mode			Open circuit (OCFM)	
Operating status signaling			Local, through display indicator (GREEN - Service; RED - End of lifetime)	
Mechanical characteristics				
Protection degree			IP20	
Number of ports		Nr.	1	
Maximum dimensions (W-D-H)		mm	53 x 74 x 94,6	53 x 74 x 99
Fixing			DIN rail	
Enclosure material			UL-V0 (non-spread and self-extinguishing characteristics)	
Weight	_	g mm²	276	283
Connection terminals - Cross-sectional area of conductors		mm ² AWG	4 ÷ 25 11 ÷ 4	
Connection terminals - Tightening torque		Nm	3 (±10%)	
Remote signaling relay - Cross-sectional area of				,
conductors		mm ²	-	1,5
Remote signaling relay - Tightening torque		Nm	-	0,4 (±10%)
Ambient conditions				
Humidity		%HR	5 ÷ 95	
Operating temperature	Τυ	°C	-40 ÷ +70	
Installation			Indoor	



Description

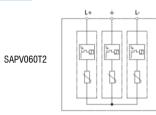
Surge Protective Device (SPD) for PV applications, DC side, Type 2/ Class II (IEC 61643-31), of the voltage limiting type with metal oxide varistor technology (MOV) associated with a thermal disconnection device (overtemperature).

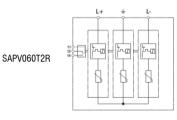
Characteristics

- 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

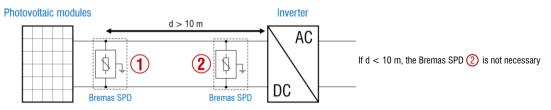
Suitable for protection against induced overvoltages. Typically installed inside string boxes and/or combiner boxes and/or inverter for PV applications.





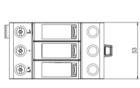
Installing diagram

Electrical circuit

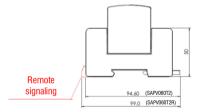


Dimensions

Dimensions in mm







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