

Bremas Ersce S.p.A.

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SA40T12A3N032 - SA40T12A3N032R



				SA40T123N032	SA40T123N032R
Standards					
Applicable Standards				IEC EN 61643-11	
Technical data					
Nominal AC Voltage (50/60 Hz)		Un	VAC	230	
Maximum continuous operating voltage	L-N	Uc	VAC	320	
	N-PE	Uc	Vac	255	
Nominal discharge current (8/20 μs)	L-N	[n	kA	20	
	N-PE	[n	kA	25	
Maximum discharge current (8/20 μs)	L-N	[max	kA	50	
	N-PE	max	kA	100	
Impulse discharge Current (10/350 μs)	L-N	limp	kA	12,5	
	N-PE	limp	kA	50	
Specific energy Charge	L-N	W/R	kJ / Ω	39	
	N-PE	W/R	kJ / Ω	625	
	L-N	Q	As	6,25	
Charge	N-PE	Q	As	25	
Voltage protection level	L-N		kV		
		Up		1,6	
	N-PE	Up	kV	1,5	
Follow current Interrupt Rating	N-PE	l fi	Arms	100	
Response time	L-N	t _A	ns	< 25	
	N-PE	t _A	ns	< 100	
Back-up fuse (max)	gL / gG		A	160	
Short-circuit current rating	L-N	sccr	kA	25 / 50	
TOV withstand 5s	L-N	Ut	V	335	
TOV 120min	L-N	Ut	V	440	
		mode		Safe fail	
TOV withstand 200ms	N-PE	Ut	V	1200	
Number of ports		Nr		1	
Functional data	•				
IEC/EN category	Type / Class			1+2	/ I+II
Protective elements	1,750 7 0.033			High energy MOV and GDT	
Protection mode				L-N / N-PE	
Mechanical characteristics				L-IN /	IN-F L
		Mmax	Nm		
Terminal screw torque Conductor cross section (max)				4,5	
		Solid, Stranded	mm²	35	
			AWG	2	
		Flexible	mm ²	2	.5
			AWG	4	
Mounting				35 mm DIN rail, EN 60715	
Degree of protection				IP20 (built-in)	
Housing material					oplastic
				Extinguishing Degree UL 94 V-0	
Thermal Protection				Yes	
Operating State / Fault Indication					Red defect
Remote Contact	Switching capacity	AC	V	-	250 / 125
	Switching capacity	"	A	-	0,5 / 0,2
		DC	V	-	
		"	A	-	250 / 75
	Canduatan anna a sasti a di				0,1 / 0,5
	Conductor cross section (max)		mm²	-	1,5
			AWG		16
Dimensions (W-D-H)			mm	72 x 81 x 90	72 x 81 x 96
Weight			g	54	54.9
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	
Installation				Indoor	
				1110001	



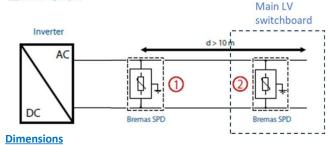
Surge Protective Device (SPD) for AC applications, engineered to protect low-voltage distribution boards against atmospheric surges. Certified as Type 2 / Class II according to IEC 61643-31 standards, it combines Metal Oxide Varistors (MOV) with Gas Discharge Tubes (GDT) to ensure superior surge discharge performance.

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

Ideal for protection against induced and conducted surges. Recommended for installation inside string boxes, combiner boxes, and inverter AC distribution panels for photovoltaic and general low-voltage applications.

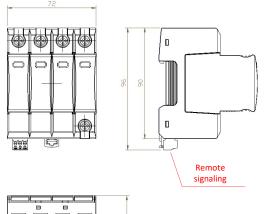


If d < 10 m, the Bremas SPD (2) is not necessary

Electrical circuit

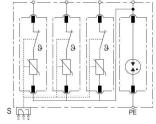
Mounting tips

Dimensions in mm



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