

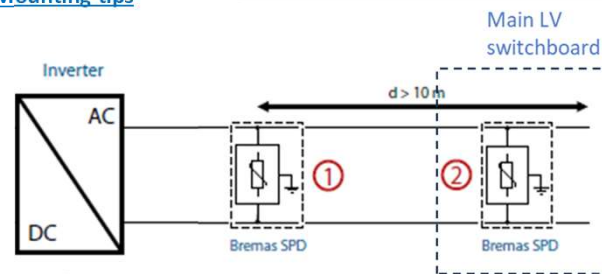
SA40T123N032 – SA40T123N032R



					SA40T123N032	SA40T123N032R
Standards					IEC EN 61643-11	
Technical data						
Nominal AC Voltage (50/60 Hz)		U _n	V _{AC}	230		
Maximum continuous operating voltage	L-N	U _c	V _{AC}	320		
	N-PE	U _c	V _{AC}	255		
Nominal discharge current (8/20 μs)	L-N	I _n	kA	20		
	N-PE	I _n	kA	25		
Maximum discharge current (8/20 μs)	L-N	I _{max}	kA	50		
	N-PE	I _{max}	kA	100		
Impulse discharge Current (10/350 μs)	L-N	I _{imp}	kA	12,5		
	N-PE	I _{imp}	kA	50		
Specific energy	L-N	W/R	kJ / Ω	39		
	N-PE	W/R	kJ / Ω	625		
Charge	L-N	Q	As	6,25		
	N-PE	Q	As	25		
Voltage protection level	L-N	U _p	kV	1,6		
	N-PE	U _p	kV	1,5		
Follow current Interrupt Rating	N-PE	I _{fi}	A _{rms}	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	I _{scCR}	kA	25 / 50		
TOV withstand 5s	L-N	U _t	V	335		
		U _t	V	440		
TOV withstand 200ms	L-N	mode		Safe fail		
		U _t	V	1200		
Number of ports		Nr		1		
Functional data						
IEC/EN category	Type / Class			1+2 / I+II		
Protective elements				High energy MOV and GDT		
Protection mode				L-N / N-PE		
Mechanical characteristics						
Terminal screw torque		M _{max}	Nm	4,5		
Conductor cross section (max)	Solid, Stranded		mm ²	35		
			AWG	2		
	Flexible		mm ²	25		
			AWG	4		
Mounting				35 mm DIN rail, EN 60715		
Degree of protection				IP20 (built-in)		
Housing material				Thermoplastic		
Thermal Protection				Extinguishing Degree UL 94 V-0		
Operating State / Fault Indication				Yes		
Remote Contact	Switching capacity	AC	V	-	250 / 125	Green ok / Red defect
			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	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		T _a	°C	-40 ÷ +70		
Atmospheric pressure and altitude			k Pa	80 ÷ 106		
			m	-500 / 2000		
Installation				Indoor		



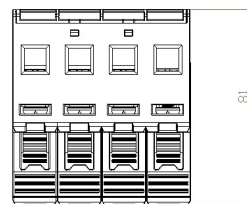
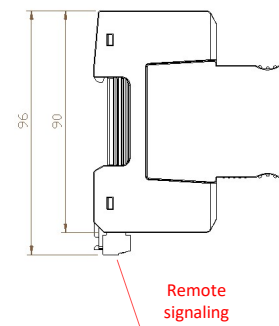
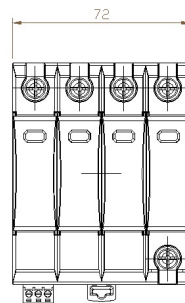
Mounting tips



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

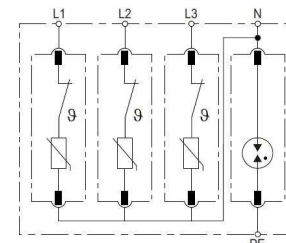
Dimensions

Dimensions in mm



Electrical circuit

SA40T123N032



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