

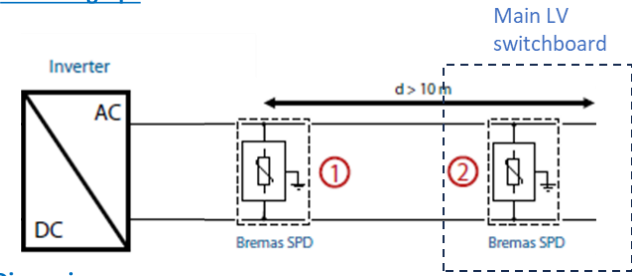
SA40T121N032 – SA40T121N032R



				SA40T121N032	SA40T121N032R
Standards					
Applicable 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	50	
Impulse discharge Current (10/350 μs)	L-N	I _{imp}	kA	12,5	
	N-PE	I _{imp}	kA	25	
Specific energy	L-N	W/R	kJ / Ω	36	
	N-PE	W/R	kJ / Ω	156	
Charge	L-N	Q	As	6,25	
	N-PE	Q	As	12,5	
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 _{scer}	kA	25 / 50	
TOV withstand 5s	L-N	U _t	V	335	
		U _t	V	440	
TOV withstand 200ms	N-PE	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
			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	36 x 81 x 90	36 x 81 x 96
Weight			g	25,25	25,8
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	



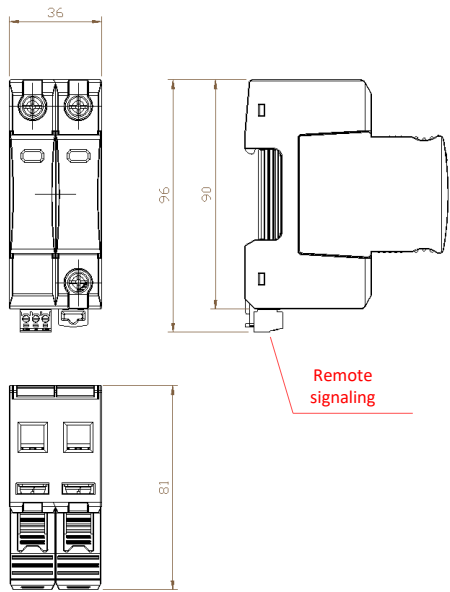
Mounting tips



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

Dimensions

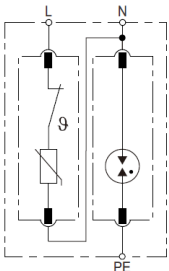
Dimensions in mm



Remote signaling

Electrical circuit

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