

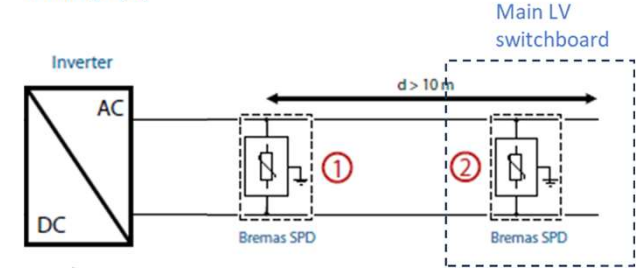
SA40T12A1N032 - SA40T12A1N032R



				SA40T121N032	SA40T121N032R
<b>Standards</b>					
Applicable Standards				IEC EN 61643-11	
<b>Technical data</b>					
Nominal AC Voltage (50/60 Hz)		U <sub>n</sub>	V <sub>AC</sub>	230	
Maximum continuous operating voltage	L-N	U <sub>c</sub>	V <sub>AC</sub>	320	
	N-PE	U <sub>c</sub>	V <sub>AC</sub>	255	
Nominal discharge current (8/20 μs)	L-N	I <sub>n</sub>	kA	20	
	N-PE	I <sub>n</sub>	kA	25	
Maximum discharge current (8/20 μs)	L-N	I <sub>max</sub>	kA	50	
	N-PE	I <sub>max</sub>	kA	50	
Impulse discharge Current (10/350 μs)	L-N	I <sub>imp</sub>	kA	12,5	
	N-PE	I <sub>imp</sub>	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 <sub>p</sub>	kV	1,6	
	N-PE	U <sub>p</sub>	kV	1,5	
Follow current Interrupt Rating	N-PE	I <sub>fi</sub>	A <sub>rms</sub>	100	
Response time	L-N	t <sub>A</sub>	ns	< 25	
	N-PE	t <sub>A</sub>	ns	< 100	
Back-up fuse (max)	gL / gG		A	160	
Short-circuit current rating	L-N	I <sub>scer</sub>	kA	25 / 50	
TOV withstand 5s	L-N	U <sub>t</sub>	V	335	
		U <sub>t</sub>	V	440	
TOV withstand 200ms	N-PE	mode		Safe fail	
		U <sub>t</sub>	V	1200	
Number of ports		Nr		1	
<b>Functional data</b>					
IEC/EN category	Type / Class			1+2 / I+II	
Protective elements				High energy MOV and GDT	
Protection mode				L-N / N-PE	
<b>Mechanical characteristics</b>					
Terminal screw torque		M <sub>max</sub>	Nm	4,5	
Conductor cross section (max)	Solid, Stranded		mm <sup>2</sup>	35	
			AWG	2	
	Flexible		mm <sup>2</sup>	25	
			AWG	4	
Mounting				35 mm DIN rail, EN 60715	
Degree of protection				IP20 (built-in)	
Housing material				Thermoplastic	
Thermal Protection				Yes	
Operating State / Fault Indication				Green ok / Red defect	
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 <sup>2</sup>	-	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
<b>Ambient conditions</b>					
Permissible operating humidity			%HR	5 ÷ 95	
Operating temperature		T <sub>a</sub>	°C	-40 ÷ +70	
Atmospheric pressure and altitude			k Pa	80 ÷ 106	
			m	-500 / 2000	
Installation				Indoor	

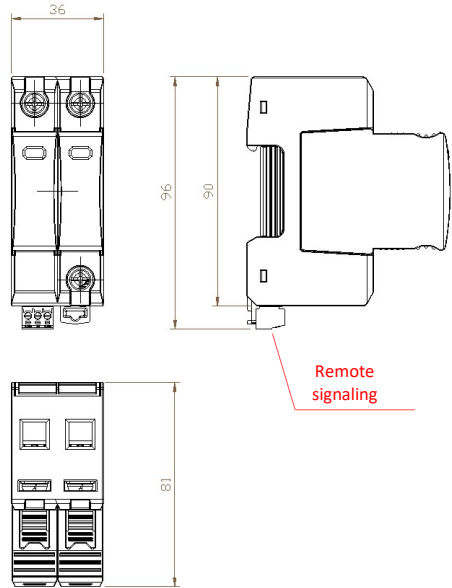


Mounting tips



Dimensions

Dimensions in mm



Electrical circuit

