

Protection against Transient Overvoltage

SURGE ARRESTERS

Surge arrester for low voltage power supply systems. Protection against transient overvoltage that may arise in the electrical supply, at the boundaries from lightning protection zone 0B-1 and higher.

- IEC61643-11, according to UL 1449 3rd.
- Thermally protected MOV.
- Visual fault indication.
- Remote signalling.
- Low voltage protection level.
- Plastic/Metalic enclosure.
- Parallel connection.
- Discharges counter.
- Test function.
- Noise filter available.

Ideal for applications with low discharge capacity required such as:

- Instalations with electronic equipments and microprocessor-based systems.
- Switchboards.
- Secondary panels.

SST

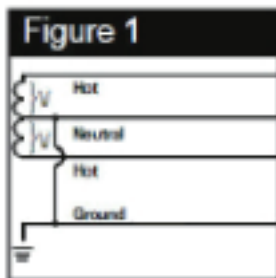


TECHNICAL PARAMETERS

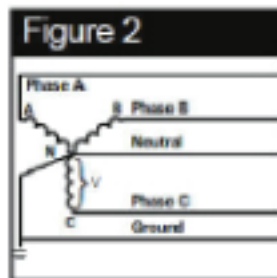
Model	SST480D200AF/M	SST480D50AF/P	SST120SP200AF/P	SST277Y300CA/M	SST120Y300CA/M	SST120Y300CAF/M
Nominal voltage (+/-15%)	480 V	480 V	120 V	277 V	120 V	120 V
Discharge Capacity	200 KA	50 KA	200 kA	300 kA	300 kA	300 kA
Maximum continuous operating voltage Uc	550 V	550 V	150 V	320 V	150 V	150 V
Discharge current counter	>200 A	>200 A	>200 A	>200 A	>200 A	>200 A
Test menu	Press 2S	Press 2S	Press 2S	Press 2S	Press 2S	Press 2S
Modes of Protection	L-L, L-PE	L-L, L-PE	L-N, L-L, L-PE, N-PE	L-N, L-L, L-PE, N-PE	L-N, L-L, L-PE, N-PE	L-N, L-L, L-PE, N-PE
State Signalling	LED ON switched on = OK	LED ON switched on = OK	LED ON switched on = OK	LED ON switched on = OK	LED ON switched on = OK	LED ON switched on = OK
Working status indication	LED ON Blue = OK LED ON Blue off and LED ON Red = FAILURE	LED ON Green = OK LED ON Green off and LED ON Red = Failure	LED ON Blue = OK LED ON Blue off and LED ON Red = FAILURE	LED ON Blue = OK LED ON Blue off and LED ON Red = FAILURE	LED ON Blue = OK LED ON Blue off and LED ON Red = FAILURE	LED ON Blue = OK LED ON Blue off and LED ON Red = FAILURE
Remote signalling	OK	OK	OK	OK	OK	OK
Response time	<25 ns	<25 ns	<25 ns	<25 ns	<25 ns	<25 ns
Power connecting cable	#8 AWG L1 = Yellow L2 = Green L3 = Red N = Blue/Brown PE = Black	#12 AWG L1 = Black L2 = Red L3 = Blue N = White PE = Green	#10 AWG 1 = Black L2 = Red L3 = Blue N = White PE = Green	#10 AWG L1 = Black L2 = Red L3 = Blue N = White PE = Green	#10 AWG L1 = Black L2 = Red L3 = Blue N = White PE = Green	#10 AWG L1 = Black L2 = Red L3 = Blue N = White PE = Green
Signal cable	#16 AWG C = Red NC = Blue NO = Brown	#24 AWG C = Red NC = Blue NO = Brown	#16 AWG C = Red NC = Blue NO = Brown	#16 AWG C = Red NC = Blue NO = Brown	#16 AWG C = Red NC = Blue NO = Brown	#16 AWG C = Red NC = Blue NO = Brown
Working temperature range	-40 +75	-40 +75	-40 +75	-40 +75	-40 +75	-40 +75
Working humidity relative	5-95% (25°C)	5-95% (25°C)	5-95% (25°C)	5-95% (25°C)	5-95% (25°C)	5-95% (25°C)
Box	Metal NEMA 4	Plastic NEMA 4X	Plastic NEMA 4X	Metal NEMA 4	Metal NEMA 4	Metal NEMA 4
Dimensions (mm)	256 x 205 x 104	162 x 80 x 76	200 x 150 x 100	286 x 200 x 120	286 x 200 x 120	286 x 200 x 120

DISTRIBUTION DIAGRAM

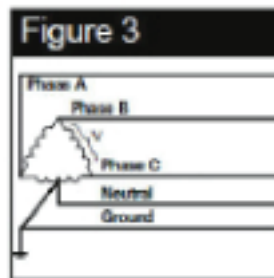
Model	Distribution diagrams	L-N	L-G	N-G	L-L	Figures
SST480D200AF/M	3L+G (3 Hots + 1 Grnd)	-	1900	-	2200	Figure 4
SST480D50AF/P	3L+G (3 Hots + 1 Grnd)	-	1900	-	2200	Figure 4
SST120SP200AF/P	2L+N+G (2 Hots + 1 Neu + 1 Grnd)	700	800	800	1200	Figure 1
SST277Y300CA/M	3L+N+G (3 Hots + 1 Neu + 1 Grnd)	1200	1200	1200	2000	Figure 2
SST120Y300CA/M	3L+N+G (3 Hots + 1 Neu + 1 Grnd)	700	800	800	1200	Figure 2
SST120Y300CAF/M	3L+N+G (3 Hots + 1 Neu + 1 Grnd)	700	800	800	1200	Figure 2



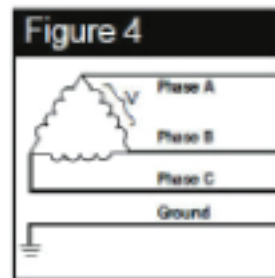
SPLIT
2L+N+G



WYE
3L+N+G



HI-LEG DELTA (B High)
3L+N+G



DELTA & HRG WYE
3L+G