

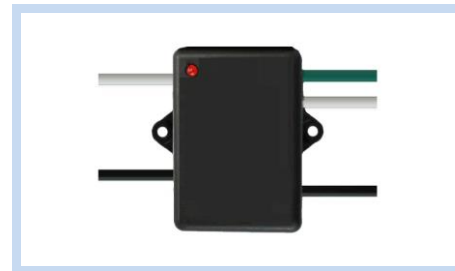
Surge Protection Module 277VAC 5KA

SPM202775 series

MERITEK

FEATURE

- Surge protection level: in 5kA (8/20 uS)
- High Temperature Resistant And Flameproof Enclosure
- Applicable For Voltage Driver And Rectifier
- Compliant with IEC/EN61643-11 Class II
- Compliant with UL 1449 4th type 4CA and CSA C22.2



PART NUMBERING SYSTEM

SPM **20** **277** **5** **B3D**
(1) (2) (3) (4) (5)



No	Item	Code	Description	Series Reference
(1)	Meritek Series	SPM	Surge protection module	Wire Lead Type
(2)	Varistor Size Code	20	20:20mm	MOV Body Size Reference
(3)	Nominal System Voltage	277	277: 277 Vac	277 Vac
(4)	Nominal Discharge Current	5	5: 5KA	In 8/20 μs
(5)	Protection and WireType	B3D	B3: Branch Line, 3 Wires, Delta	M5(6): Main Line , 5 or 6 wires, Delta

ELECTRICAL CHARACTERISTICS

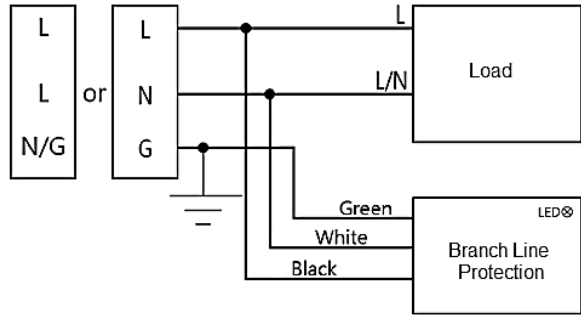
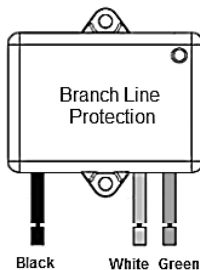
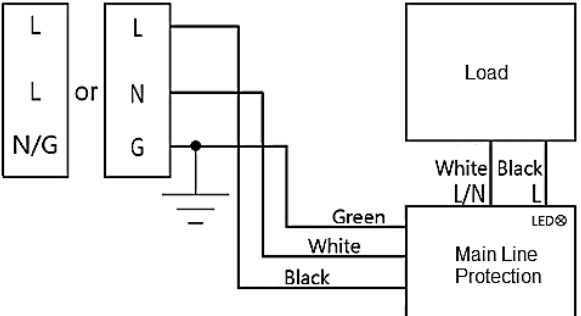
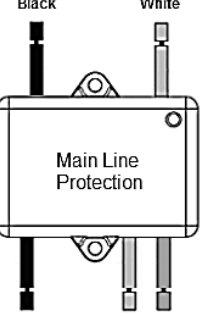
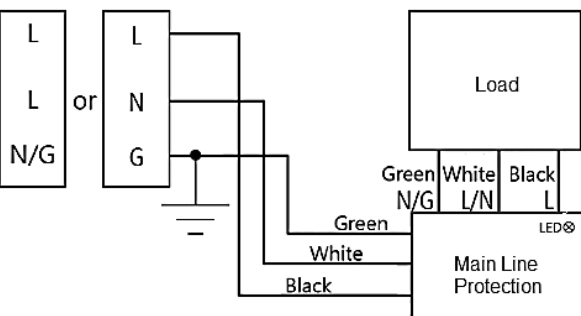

Meritek Part Number		SPM202775B3D	SPM202775M5D	SPM202775M6D	Unit
Nominal System Voltage, Un		277	277	277	Vac
Maximum Continuous Operating Voltage, Uc		320	320	320	Vac
Working Frequency		50/60	50/60	50/60	Hz
Nominal Discharge Current, in (8/20us)		5	5	5	KA
Maximum Discharge Current, I _{max} (8/20us)		10	10	10	KA
Measured Limiting Voltage, MLV	L-N	1250	1310	1310	V
	L-G	1310	1320	1320	V
	N-G	1220	1170	1170	V
Voltage Protection Level, Up	L-N	1200	1200	1200	V
	L-G	1200	1200	1200	V
	N-G	1200	1200	1200	V
Rated Load Current, IL		--	5	5	A
Protection Type		Branch Line Protection	Main Line Protection	Main Line Protection	--
Wire Model		3 Wires	5 Wires	6 Wires	--
Connection Type		Delta Connection Without GDT	Delta Connection Without GDT	Delta Connection Without GDT	--

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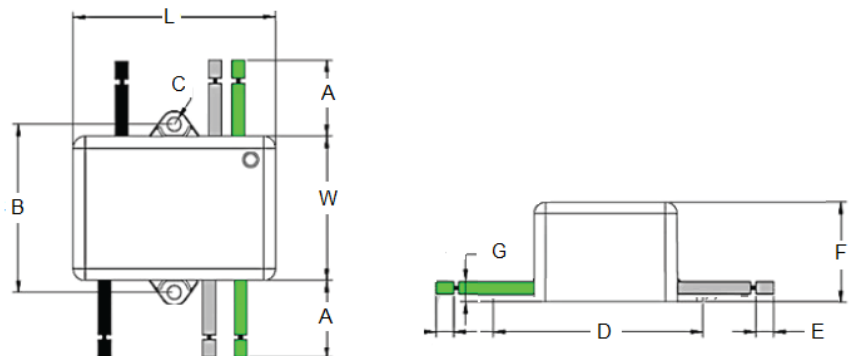
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APPLICATION SCHEMATIC and PIN LAYOUT

Applicaton Schematic	Model
 	<p>Parallel Connection: SPM202775B3D: 3 wire-model without GDT</p>
 	<p>Series Connection: SPM202775M5D: 5 wire-model without GDT</p>
 	<p>Series Connection: SPM202775M6D: 6 wire-model without GDT</p>

DIMENSION

Item	SPM202775 series	
	Size (mm)	Tolerance
W	37	±0.1
A	150	+20, -0
B	43	±0.5
C	3.5	±0.2
D	50	±1.5
E	4	±1.0
F	25.5	±1.0
G	5.2	±0.2



*Specifications subject to change without notice.