

# VSP MOV Protector Fuse

Metal Oxide Varistor

**SURGE PROTECTIVE DEVICE**

**COMPONENT SPD FOR OEM DESIGN AND BUILD**



Mersen surge suppression fuses are specially designed to address the protection of SPD systems. Our surge suppression fuses have been specially designed to withstand 8/20  $\mu$ Sec surge pulses without opening, allowing the SPD system to react to the surge. All surge suppression fuses have a 8/20  $\mu$ Sec surge rating, not a continuous current rating. Under AC short circuit conditions these surge suppression fuses are very current limiting.

Technical Data Overview	
Volts	600VAC
Surge Rating	5-100kA 8/20 $\mu$ Sec
Interrupting Rating (IR)	200kA

## FEATURES/BENEFITS

- VSP fuses rated 600VAC, 200kA I.R.
- Surge ratings of 5-100kA 8/20  $\mu$ Sec capacity
- Various mounting configurations ferrules, blade, bolt-in, PC board mount

## APPLICATIONS

- Protection of SPD systems

## APPROVALS/STANDARDS

- ANSI/UL 248 Special Purpose MOV Fuse, File E60314



PRODUCT PERFORMANCE DATA						VSP [5-20]-2,R,H,S  
Catalog No. [Connection suffix]	Voltage Rating [AC]	8x20 μSEC Surge Rating	Melting i <sup>2</sup> t [A2S]	Clearing i <sup>2</sup> t [A2S]	I <sub>PEAK</sub> @ 100kA 60 Hz [A]	
VSP5-2,-R,-H,-S	600V	5,000	341	936	3,652	
VSP10-2,-R,-H,-S	600V	10,000	1,541	3,744	5,794	
VSP15-2,-R,-H,-S	600V	15,000	3,072	8,424	7,591	
VSP20-2,-R,-H,-S	600V	20,000	4,992	14,400	9,194	
VSP30,-2	600V	30,000	12,507	33,696	12,044	
VSP40,-2	600V	40,000	19,543	59,904	14,588	
VSP50,-2	600V	50,000	32,020	93,600	16,925	
VSP60,-2	600V	60,000	42,808	134,784	19,110	
VSP70,-2	600V	70,000	61,152	183,456	21,176	
VSP80,-2	600V	80,000	79,872	239,616	23,146	
VSP90,-2	600V	90,000	99,000	303,264	25,034	
VSP100,-2	480V	100,000	121,500	374,400	26,854	
VSP100-XL	600V	100,000	121,500	374,400	26,854	

  

RECOMMENDED FUSE BLOCKS FOR VSP FUSES			
VSP [5-20]-2			
Number of Poles	Screw with Double Quick Connects	Pressure Plate with Double Quick Connects	Copper Box Connector
ADDER	30310	30320	30350
1	30311	30321	30351
2	30312	30322	30352
3	30313	30323	30353

  

VSP [30-100]-2			
Number of Poles	Catalog Number		
ADDER	FB60J30B1	FB60J30S1	FB60J30P1
1	FB60J30B1	FB60J30S1	FB60J30P1
2	FB60J30B2	FB60J30S2	FB60J30P2
3	FB60J30B3	FB60J30S3	FB60J30P3

  

MOUNTING OPTIONS			
<b>DOUBLE HOLE MOUNT (ROUND HOLES)</b> 	<b>PC BOARD MOUNTING</b> 	<b>SURFACE SCREW MOUNT</b> 	

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