

GENERIC SPECIFICATIONS

TECHNICAL SPECIFICATION SHEET FOR SURGE FILTERS (200 A and above)				
#	Description		Compliance (Yes or No)	Remarks
1	Nominal operating voltage (U_n)	230 (Ph-N) / 400 V (Ph-Ph), 1 or 3 Phase, 50/60 Hz		
2	Load current	Select load current applicable: 200, 315, 400, 630, 800, 1000, 1250, 1500 or 1750 A (Customer must select)		
3	Power distribution system	TT or TNC-S		
4	Response time	< 1 ns		
5	Primary Protection	SGT based (Spark Gap Technology)		
6	Primary Surge Rating	200 A – 630 A: SGT based 50 kA 10/350 µs or 135 kA 8/20 µs 800 A and above: 110 kA 10/350 µs		
7	Max. continuous operating voltage (U_c)	385 V or 480 V Ph-N as per requirements of IEC 61643 (Customer must select)		
8	Multi pulse capability	Yes		
9	Filter design	Series low by pass L-C filter		
10	Inductor	With non-saturating inductor design		
11	Capacitors	Self-healing polypropylene with fail-safe capabilities		
12	Secondary surge protection	MOV based: Surge rating not less than 50 kA 8/20 µs Ph-N, replaceable hot-swop cartridge module		
13	N-E surge rating	200 – 630 A: Spark gap based, rated for N-E application, surge rated 100 kA 10/350 µs or 200 kA 8/20 µs 800 A and above: 110 kA 10/350 µs		

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14	Protection status indication	<p>Must have status indication for all MOV based surge protectors and Bluetooth connectivity via App using smart phones or Tablet able to obtain per MOV SPD to the following: MOV Status, Surge Counts, Temperature (Current & Max), Voltage (Present and Max) & Power Quality Reading details.</p> <p>A volt free contact output used for a common alarm to indicate a MOV module failure</p>		
15	Surge Counts	Surge counts per MOV module via Bluetooth App for smart device suitable for Windows, iOS and Android. This is the preferred method - separate surge counter is discouraged for inaccuracy.		
16	LED Indication	Each MOV module must have LED indication of failure status, Bluetooth connection, and power indication		
17	Environment rating	IP 65		
18	Surge Counts	Surge counts per MOV via Bluetooth and APP for smart device suitable for Windows, iOS and Android		
19	Surge Withstand	Cat. A, B and C surge tests, ANSI/IEEE C62.41 and AS 1768		
20	Standards	Primary, secondary protection & N-E protection: IEC 61643-11, Meets UL1449 Ed 3 requirements. Surge filter should have EN 60950-1 approval		
21	Enclosure	Metal enclosure with durable polyester powder coat finish		
22	Mounting	Wall mount		

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23	Documents	Following documents should be forwarded with the offer:		
		1. Price schedule		
		2. Duly filled compliance sheet		
		3. All relevant technical docs		
		4. Supplier should be the authorized dealer		
		5. Manufacturer's certificate indicating name of manufacturer and location of production.		
Note - If the above clauses cannot be complied, please indicate the deviations in the remarks column.				