

OEM5 Series – WVR Single Phase DIN Mount

Models	OEM5-5W-120-DIN	OEM5-5W-240E-DIN	OEM5-5W-240E-DIN-LT
Mfg Part #	002-00501	002-00503	002-00504
Voltage/Hz	120V ac nominal 50-60 Hz	240V ac nominal 50-60 Hz	
Max. Load	5 amps	5 amps	
Chassis (DIN Track)	PVC DIN track mounted board/reactor assembly		
Mounting	Bottom of track has two 35mm DIN rail mounting feet.		
Ground Connect	None		
Wire Connector & recommended attachment	Four position terminal block (hot leg in, hot leg out, 2 neutral connections). Wires should be stripped 7.0 mm. 240V model is single phase and NOT compatible with US 2 phase 240V.		
Over-current Protection	5x20mm 5amp 250V slow blow fuse		
Weight	11 oz.		
Dimensions	3.25”H (to bottom of feet) x 5.5”W x 3.75”D		
Boxed Dim./Wt.	4”H x 7”W x 4”D / 1 lb		



X10 Carrier Current Compatible



Specifications	120 Volt Product	240 volt Product
<i>Voltage Ratings</i>	US 120 Volt, single phase (one hot leg & a neutral leg tied to earth ground at service entrance). Will operate over a voltage range of 85 - 175 volts with Spectrum WVR technology (MCOV=175Vac).	European 240 Volt, single phase (one hot leg & a neutral leg tied to earth ground at service entrance). Will operate over a wide voltage range of 85 - 280 volts with Spectrum WVR technology
	Check line wiring for hot/neutral reversal prior to connecting this filter. Hot/neutral reversal is a critical safety issue and will prevent this product from functioning Full load regulation 1%.	
<i>Operating Temperature Range</i>	0-40 deg. C for regular units -10-40 deg. C for LT units	
<i>Technology</i>	Spectrum WVR® Wide Voltage Range filter technology	
<i>Mode</i>	Mode 1 applications, L-N (ground wire protection)	
<i>Safety Certifications</i>	CSA 22.2 No. 8-M1986, UL 1283 5 th edition pending	
<i>Limiters</i>	Series surge reactor current limiter; cascaded, auto-tracking dual polarity dynamic surge and noise sensing; bi-modal dynamic filtering. Parameters optimized for switch-mode power supply protection.	
<i>Dynamic filtering Onset</i>	172 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR).	350 volts nominal, 2 volts above peak line voltage (auto-tracking- WVR).
<i>Max. Surge Voltage Let-through*</i>	130 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave.	150 Volts above peak line voltage @ 6,000 Volts, 3,000 Amps for ANSI C62.41 Category B3/C1 Combination Wave.
<i>Max. Applied Pulse Voltage</i>	6,000 volts (1.2 x 50 μs – ANSI C62.41 Combination Wave)	
<i>Max. Applied Pulse Current</i>	>100,000 amperes applied (unlimited due to internal current limiting) (8 x 20 μs).	
<i>Joule Rating</i>	Not applicable to this technology. No MOV's to wear out.	
<i>Endurance Rating</i>	1,000 worst case pulses: ANSI C62.41, Category B3/C1 pulses (6,000 Volts, 3,000 Amperes); >10,000 pulses at 4,000 Volts; >100,000 pulses at 2,000 Volts.	
<i>Filter Slew Rate</i>	5,000 volts/μs disturbance reduced to 35 v/μs within AC power wave envelope; 10.0 v/us outside the power wave envelope.	5,000 volts/μs disturbance reduced to 35 v/μs within AC power wave envelope; 20.0 v/us outside the power wave envelope.
<i>EMI-RFI Filter Response</i>	Bi-directional, wave tracking: With 50 ohm Rgen., load: 7 kHz @ 3 dB; 25 dB @100 kHz; 38 dB @300 kHz.	

* Note: Surge voltage let-through is the peak voltage that exceeds the powerline peak voltage.

100% Surge Protection, 0% Failure • Are you Zero Surge protected?

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