



Transient Tracking Powerline Filter Single Phase - HW1-Series 1Amp ~ 63 Amps (Polycarbonate Enclosure)

Specification		1Æ Filter		
Power ratings: AC voltage ratings Optional DC Voltages	1Æ 2 wire + E Frequency Power System	110, 200, 240, 275, 415 and 480 50 or 60 Hz TT, TN-S, TN-C, TN-C-S(MEN)		
Rated AC Current: Optional ratings Filter Overload (non-overload protection) Current Crest Factor Overload/Short Circuit Protection Optional Protection method Operating Time	Load Current Current Overload Non-linear Current HW1-xxx only HW1-xxxC Nano Seconds	001, 003, 005, 010, 016, 020, 032, 040, 063 150% for 1 minute 5:1 Peak/RMS No protection Device 1 x HRC Fuse 100% rated or 1 Pole C/Breaker 100% rated <1ns		
Filter Design: Bandwidth Inductor Design Capacitor Type (Model HW1-xxx-P-xxx)		Low Pass 150% Rated 300VAC X2		Surge / Transient / Noise Non Saturated Core Tested Din Standards 40040
Internal Surge Diverters: Primary Surge Diverters ratings Surge Waveform KA (8/20ms) <u>Secondary Surge Diverters Ratings</u> Surge Waveform KA (8/20ms) Modes of Protection** Primary and Secondary Surge Diverters **See SDM Brochure Maximum Continuous Operation Voltage Multipulse Capability Surge Performance (8/20ms)		Field Replaceable Standard Optional Standard Standard RMS AC Voltage SDM-140K/T SDM xxx-K/T		No 40KA per mode** 80, 100, 140KA per mode** 40KA per mode** L~E+L~N and N~E 300VAC Yes Cat B (3KA) - 600V Cat C (3KA) - 800V See SDM Brochure
Alarms Breakdown Isolation Indication Panel		Relay Contacts Isolation Voltage LED Indication	N.O. 5Amp.240VAC Rated 4KV Power and Surge Diverter Status (On = OK, Off = Fault)	
International Standards		Surge Testing	ANSI/IEEE C62.41-1991 AS/NZS 1768-1991	
Abnormal Overvoltage Testing		HW1-xxx-P-xxx/T	UL1449 ed.2	
Physical Enclosure Mounting Cable Termination		Temperature Range Environmental rating Enclosure Colour Heat Loss Rear screw under cover Screw Connection Cable Entrance	-10 to 80 °C, 0~90% humidity Ip67 Polycarbonate Material Transparent Cover and Grey Base < 10 watts 4x4 Æ screw Flexible cable Bottom Gland plate	
Model HW1-01 / 03 / 05 xxx-P-xxx/T HW1-10 / 16 xxx-P-xxx/T HW1-20 / 32 / 40 / 63 xxx-P-xxx/T	Weight 1.5/1.6kg 2kg 2kg	Terminals Copper Lug 3.5mm Æ Screw Copper Lug 4mm Æ Screw Copper Lug 5mm Æ Screw	Dimensions (Height x Width x Depth) 170mm x 80mm x 65mm 170mm x 140mm x 95mm 230mm x 140mm x 95mm	

All specifications subject to change without notice.

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