




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

Specification		1Ø Filter	
<b>Power ratings:</b> AC voltage ratings Optional DC Voltages	1Ø 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)	
<b>Rated AC Current:</b> Optional ratings Filter Overload (non-overload protection) Current Crest Factor Overload/Short Circuit Protection Optional Protection method	Load Current  Current Overload Non-linear Current HW1-xxx only HW1-xxxC	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	
Operating Time	Nano Seconds	<1ns	
<b>Filter Design:</b> 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
<b>Internal Surge Diverters:</b> Primary Surge Diverters ratings Surge Waveform KA (8/20µs)	Field Replaceable Standard Optional	No 40KA per mode** 80, 100, 140KA per mode**	
<b>Secondary Surge Diverters Ratings</b> Surge Waveform KA (8/20µs)	Standard	40KA per mode**	
<b>Modes of Protection**</b> Primary and Secondary Surge Diverters **See SDM Brochure	Standard	L~E+L~N and N~E	
<b>Maximum Continuous Operation Voltage</b> Multipulse Capability Surge Performance (8/20µs)	RMS AC Voltage  SDM-140K/T  SDM xxx-K/T	300VAC Yes Cat B (3KA) - 600V Cat C (3KA) - 800V See SDM Brochure	
<b>Alarms</b> 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)	
<b>International Standards</b>	Surge Testing	ANSI/IEEE C62.41-1991 AS/NZS 1768-1991	
<b>Abnormal Overvoltage Testing</b>	HW1-xxx-P-xxx/T	UL1449 ed.2	
<b>Physical</b>     <b>Enclosure Mounting</b> <b>Cable Termination</b>	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	
<b>Model</b> HW1-01 / 03 / 05 xxx-P-xxx/T HW1-10 / 16 xxx-P-xxx/T HW1-20 / 32 / 40/ 63 xxx-P-xxx/T	<b>Weight</b> 1.5/1.6kg 2kg 2kg	<b>Terminals</b> Copper Lug 3.5mm Æ Screw Copper Lug 4mm Æ Screw Copper Lug 5mm Æ Screw	<b>Dimensions (Height x Width x Depth)</b> 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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