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MS2-H50

Output Current 2.1 A, 50 W

Specifications

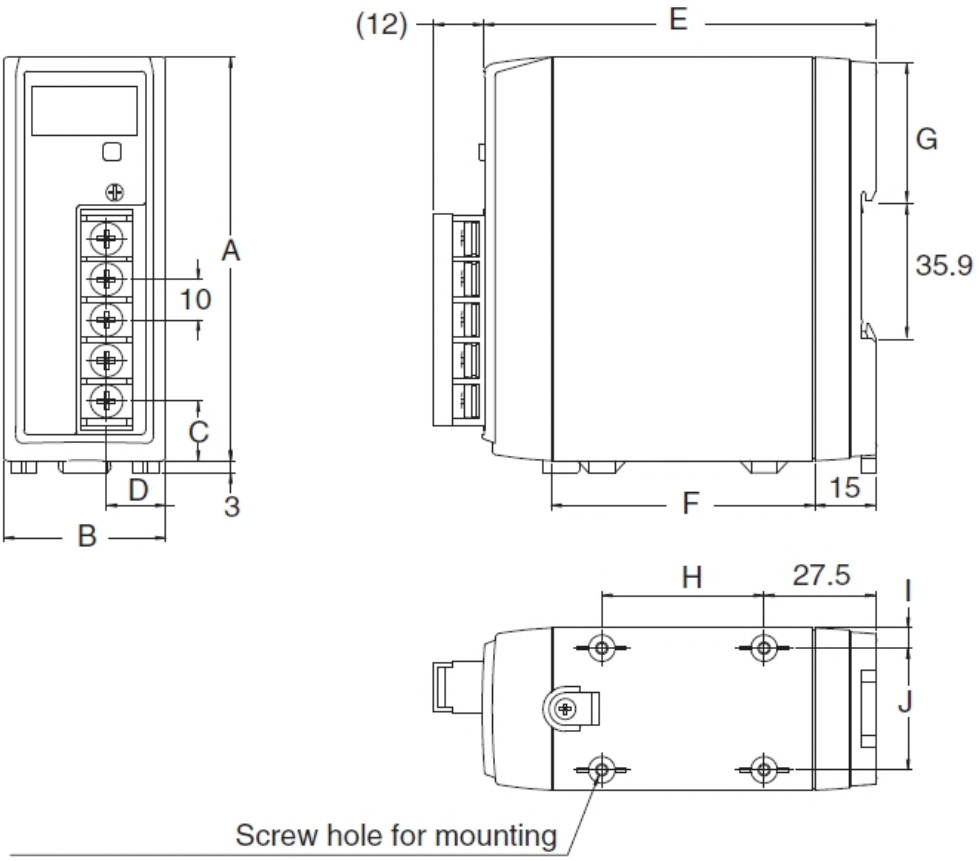
Model		MS2-H50
Input conditions	Input voltage	85 to 264 VAC, 110 to 370 VDC[*1]
	Frequency	47 to 63 Hz, DC[*1]
Inputconditions	Input current (100/200 VAC)	1.3/0.7A or less
	Efficiency (100/200 VAC)	82, 85% typ. (at 100% load)
	Leakage current (100/200 VAC)	0.4, 0.75 mA or less (at 100% load)
	Rush current (100/200 VAC)	25, 50 A or less (at 100% load with a +25°C 77°F cold start)
Output characteristics	Rated voltage	24V
	Variable voltage range	±5% (with V.ADJ)
	Rated current	2.1A (Class2)
	Ripple/noise voltage	180mV (p-p) or less
	Input fluctuation	0.4% or less
	Load fluctuation	1.5% or less
	Temperature fluctuation	0.02%/°C or less
	Startup time	500 ms or less (when the ambient usage temperature is between 0 and +55°C 32 and 131°F with rated I/O conditio ns)
	Output holding time	20 ms or more (when the ambient usage temperature is +25°C 77°F and with rated I/O conditions)
Protection	Overcurrent protection	Constant current drop method, automatic recovery, 2.7 A or more
	Overvoltage protection	Activates at 26.4 V or more, voltage interruption method, recovers when input is applied again[*2]
Display	Display power	3-digit 7-segment LED (character height: 10 mm 0.39")
	Power off memory time	Approx. 10 years (at +20°C 68°F)
	Display resolution	0.1A/0.4V /1%
Applicable standards	Safety standards	UL: UL508, UL60950-1; C-UL: CSA C22.2 number 14-M95, CSA C22.2 number 60950-1-03; EN: EN60950-1, EN50 178; IEC: IEC60950-1
	EMC standard	FCC Part 15 B Class A, EN55011 Class A, EN61000-6-2
	Limits for harmonic current emissions	EN61000-3-2[*3]
Other	Parallel operation	Possible (requires OP-42207)[*4]
	Series operation	Possible (requires external diode)[*4]
	Cooling method	Natural air cooling
Environmental resistance	Insulation resistance	100 MΩ or more at 500 VDC (between input and output, between input and FG, and between output and FG)
	Ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing) (see the derating characteristics)
	Storage temperature	-20 to +70 °C -4 to 158 °F (No freezing)
	Relative humidity	25 to 85 % RH (No condensation)
	Withstand voltage	3.0 kVAC, 50/60 Hz, 1 min (across input and output terminals) 2.0 kVAC, 50/60 Hz, 1min (across input terminals and PE terminal) 500 VAC, 50/60 Hz, 1min (across output terminals and PE terminal)
	Vibration resistance	10 to 57 Hz, Double amplitude 0.3 mm 0.01", 57 to 500 Hz, 19.6 m/s^2 (2 G), cycle: 5.5 minutes, 2 hours in each of the X, Y, and Z directions
	Shock resistance	Peak acceleration: 300 m/s^2, 2 times in each of the X, Y, and Z directions
Weight		Approx. 270 g

[*1] The rated input voltage and rated frequency when applying for safety standards are 100 to 240 VAC, 50/60 Hz.
[*2] To return, turn OFF the input power supply and after leaving it off for 1 minute or more, plug in the input power supply again. The E/F Series is a Zener diode clamp type. It will not restart after the protection circuit operation.
[*3] For the MS2-H100, this is applicable only when the load ratio is 70% or less.
[*4] The applicable standards do not apply for parallel and serial operations.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

MS2-H50/H75/H100



Model	A	B	C	D	E	F	G	H	I	J
MS2-H50	99.5	40	14.7	14.6	97	65	33.4	40	5	30
MS2-H75/H100	114.5	52	15.1	17.1	110	78	41	52	4.75	42.5

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