



FEATURES

- Power Factor Corrected to IEC 1000 - 3 - 2
- High Power Density
- Universal Input
- UL1950/CSA 22.2 No. 234/EN60950/CE
- FCC/VDE Level B EMI Filter
- Triple Output
- Choice of Pin-Type or Terminal Block Connections
- Optional Cover

PROTECTION

Overvoltage	The 5V output on triple-output and the positive polarity output of dual output models are protected against overvoltage. The control circuit is preset so the output voltage does not exceed the following values:		
	5	12	15
Output Voltage	5	12	15
OVP Setpoint (max)	6.9	NA	NA

Overload	All models are protected against overload and short circuit. Recovery is automatic after removal of the fault.
Common Mode Noise	1.5V (peak-to-peak)
Input Noise Transient	1000 VAC, 800 nS
ESD Tolerance	10 KV

INSULATION

All models meet the requirements of UL1950, CSA22.2 No. 234 and EN60950 for Input-to-Chassis, Input-to-Output, Output-to-Chassis and Leakage Current specifications.

Isolation Voltage

Primary-Frame Ground	2000 VAC
Primary-Secondary	2000 VAC
Secondary-Frame Ground	500 VDC

Insulation Resistance

Primary-Frame Ground	100 MΩ at 500 VDC
Primary-Secondary	100 MΩ at 500 VDC
Secondary-Frame Ground	100 MΩ at 500 VDC

ENVIRONMENT

Operating Temp.	-10°C to +60°C (derated linearly above 50°C at 5%/°C)
Cooling Method	Convection
Storage Temp.	- 25 to +75°C
Shock	10G
Vibration	
Horizontal	2G, 10 - 55 Hz, 0.3 mm amplitude (non-operating)
Vertical	4.5G, 10 - 55 Hz, 0.3 mm amplitude (non-operating)

SPECIFICATIONS

INPUT

Voltage	85 - 264 VAC (continuous range)
Frequency	47 - 63 Hz
Current	
Full load	100 VAC - 0.79A (RMS) 200 VAC - 0.39A (RMS)
Inrush	120 VAC - 20A 240 VAC - 40A

OUTPUT

Rated Power	50.0 Watts
Efficiency	70% typical
Voltage	See Model Selection Table
Voltage Adjustment	
5V Output	5.0 - 5.1 VDC using potentiometer
± 12/15V Outputs	Fixed and not adjustable
Total Regulation	
5V Output	±5%
±12/15V Outputs	±6.5%
Ripple & Noise (peak-to-peak)	
5V Output	100 mV
±12V Outputs	120 mV
±15V Outputs	150 mV
	(measured at 25°C with a bandwidth of 50 MHz)
Hold-up Time	20 mS (measured with an input of 100 VAC and 100% rated output)
Converter Topology	Flyback
Operating Frequency	100 KHz

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MODEL SPECIFICATIONS

Model Number	Output Ratings		
	Output No. 1	Output No. 2	Output No. 3
FYM500/51G	+5V 0.5-7.0A	+12V 0-2.5A	-12V 0-1.0A
FYM500/53G	+5V 0.5-7.0A	+15V 0-2.0A	-15V 0-0.8A

"P" suffix denotes vertical pin-type connectors for input and output.

"T" suffix denotes vertical screw-type terminal block connections for input and output.

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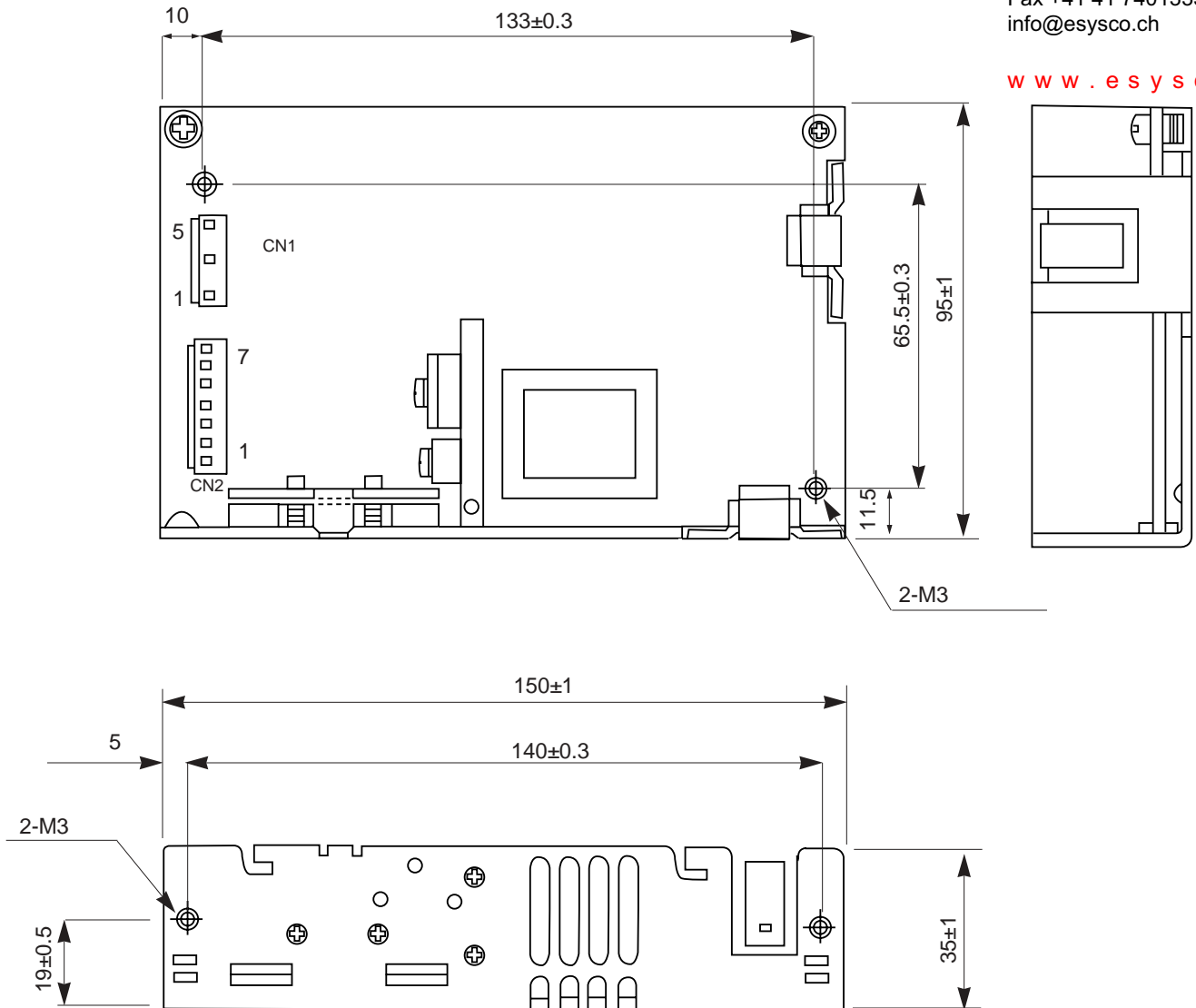
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MECHANICAL SPECIFICATIONS

Size (W x D x H) 5.9 x 3.74 x 1.38 inches (150 x 95 x 35 mm)

Dimensions in mm.



MOLEX PIN TYPE INPUT

CN1	1	SG
B3P5-VH (JST)	2	NC
	3	AC (N)
HOUSING	4	NC
VHR-5N (JST)	5	AC (L)
PIN SVH-21T-P1.1		

MOLEX PIN TYPE OUTPUT

		FYM500/51GP	FYM500/53GP
CN2	1	-12V	-15V
	2	G2	G2
	3	+12V	+15V
MATE	4	G1	G1
	5	G1	G1
	6	+5V	+5V
	7	+5V	+5V
PIN SVH-21T-P1.1			

TERMINAL BLOCK TYPE

	F3060AX 4L 8P	
	FYM500/51GT	FYM500/51GT
L	AC(L)	AC(L)
N	AC(N)	AC(N)
SG	SG	SG
5	+5V	+5V
4	G1	G1
3	+12V	+15V
2	GZ	GZ
1	-12V	-15V