

POWERSUPPLIES

MPM-30, Switching powersupply, 30W

- Medical approved IEC/EN60601-1, ANSI/AAMI ES60601-1
- Isolation level 2 x MOPP and leakage current below $<80\mu\text{A}$
- No load power consumption $<0.075\text{W}$
- 3 years warranty

Technical data:

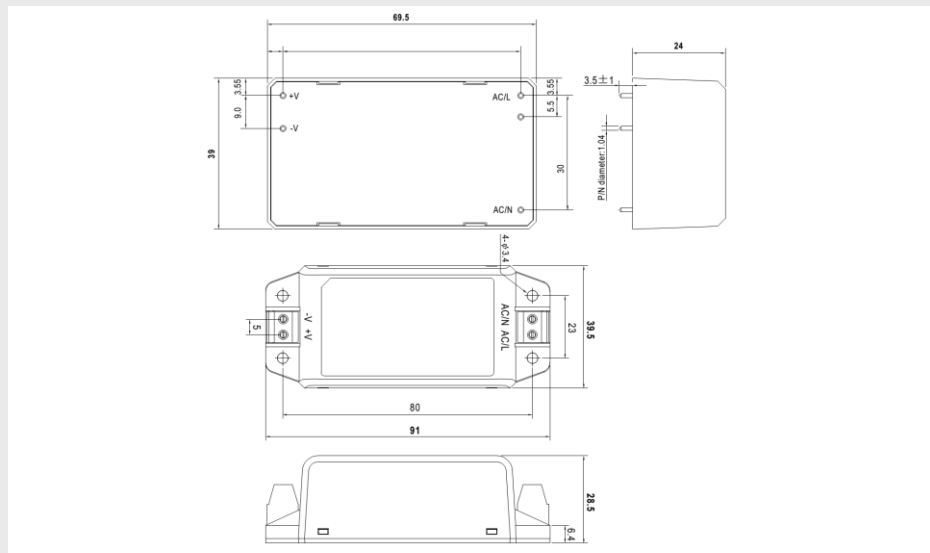
Input:

Input voltage:	100-264VAC ($<100\text{VAC}$ with derating)
Frequency:	47-63 Hz
Input current at 230VAC:	0.5A
Inrush current at 230VAC:	45A

Output:

Output voltage:	See below table
Output current:	See below table
Overload protection:	115-165% hiccup mode, auto-recovery
Over voltage protection:	105-135% of rated output voltage
Line regulation:	$\pm 0.5\%$
Load regulation:	$\pm 0.5-1.0\%$ depends of model
Ripple & noise:	80-200mVp-p depends of model
Efficiency:	82.5-91% depends of model
Temperature range:	$-40^{\circ}\text{C} \dots +60^{\circ}\text{C}$ @ 100%, $+70^{\circ}\text{C}$ @ 80%, $+85^{\circ}\text{C}$ @ 40%
MTBF:	779 Khrs
Connection:	PCB mounting or ST model with screw terminals
Size:	PCB model 69.5x39x24mm, ST model 91x39.5x28.5mm
Weight:	PCB model 102g, ST model 120g
Safety and EMC:	UL/TÜV/CE/CB

Mechanical drawing:



Ordering information:

Type	Power	Output voltage	Output current
MPM-30-3.3(ST)	19.8 W / 25.7 W peak 10S	3.3 VDC	6.0 A
MPM-30-5(ST)	30 W / 34.5 W peak 10S	5.0 VDC	6.0 A
MPM-30-12(ST)	30 W / 34.8 W peak 10S	12 VDC	2.5 A
MPM-30-15(ST)	30 W / 34.5 W peak 10S	15 VDC	2.0 A
MPM-30-24(ST)	31.2 W / 36 W peak 10S	24 VDC	1.3 A
MPM-30-48(ST)	30.2 W / 35 W peak 10S	48 VDC	0.63A

ST = Screw terminals