



Key features

- Meet UL, CE certification requirements
- Low ripple and noise
- Internal filter
- Over load protection ,short circuit protection
- High efficiency, high density, fine quality and low price
- Industrial/military design
- Six sides metal shielding,lead terminal connect,chassis type mounted
- 100% test and work
- 3 Years product warranty
- Soft start and remote on / off control



RoHS

Electrical specifications

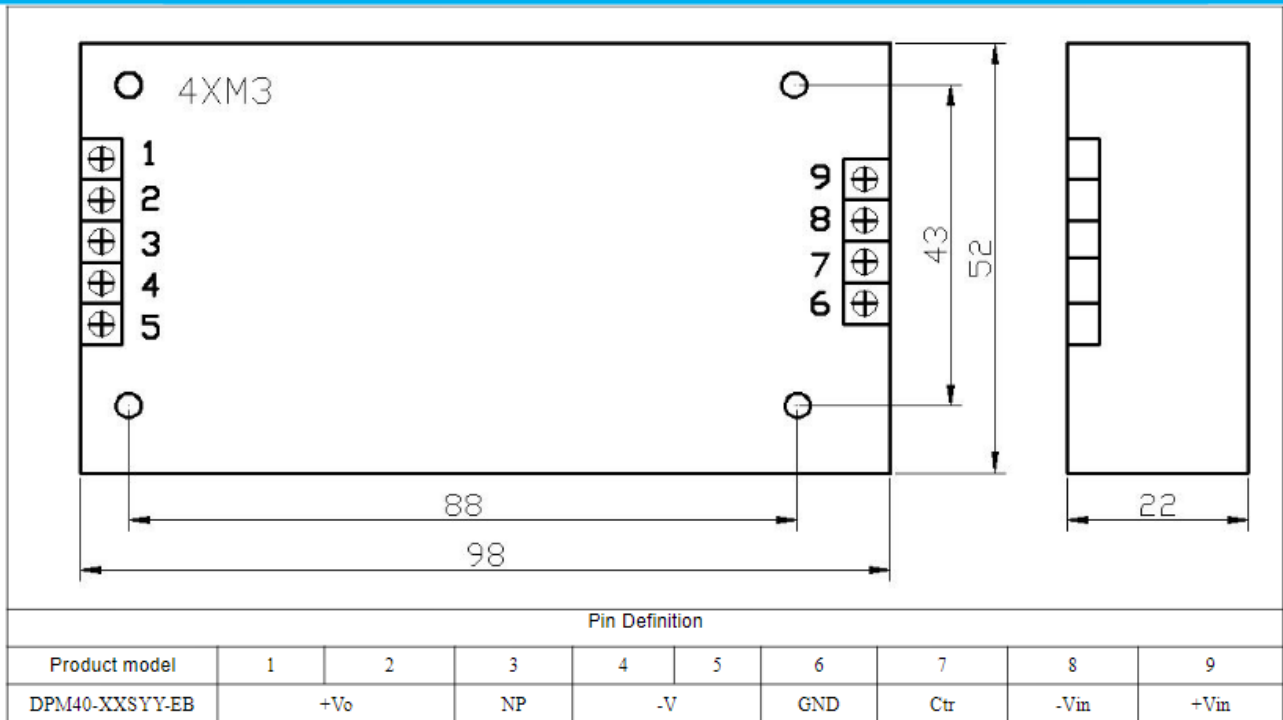
Model	Input voltage	Output Power(W)	Output voltage(V)	Output current(A)	Ripple(mv)	Efficiency (%)
DPM40-50S12-EB	40(20-80)	40	12.0	3.3	100	85

General features

Output	Output accuracy	$\pm 2.0\%$ (Nominal)Rated load, Nominal input voltage@25°C
	Line regulation	$\pm 1.0\%$ @100% load
	Load regulation	$\pm 1.0\%$ (Nominal) Nominal input voltage ,10% ~ 100% Nominal load
	Setup rise time(TYP)	100ms/100VDC at full load
	Output hold-up time(TYP)	23ms/100VDC at full load
Input	Input voltage range	20-80VAC
	Input frequency	47 ~ 440Hz
	Input current(TYP)	0.7A/30VDC
	Inrush current(TYP)	30 A / 230 VAC
	Recommended values for External Fuses	10Ω/2W
Protection	Leakage current(TYP)	< 0.1mA at 265VAC/50Hz
	Over current protection	110%-120% load , Recovers automatically after fault condition is removed.
	Short circuit protection	Recovers automatically after fault condition is removed.
Working environment	Operating temperature	-40 ~ +85 °C (According to the output load derating curve to use)
	Humidity	85% .RH max
	Storage temperature	-40 ~ +85, 10 ~ 95% RH
	Temperature coefficient	0.03%/ (0~ 50°C)
	Vibration coefficient	10~500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes
Safety and EMC(Note:3)	Safety standards	UL1012,EN60950,UL60950
	I/O-isolation voltage	≥ 1000 Vdc
	insulation resistance	500MΩ at 500Vdc

	EMI / RFI conducted	EN55011, EN55022 (CISPR22)
	ESD	IEC/EN 61000-4-2 level 4 8kV/15kV
	RS	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4 level 4 4kV
	Surge	IEC/EN 61000-4-5 level 4 2kV
Others	MTBF	168K hrs min. MIL-HDBK-217F(25)
	Dimension	98*52*22mm
Notes	1. Unless otherwise indicated of the above data,Our products are tested in the condition of TA=25ooc, humidity <75%, 230Vac nominal voltage input and rated load output.	
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.	
	3. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.	
	4. Products of special requirements, please contact with our engineer.	

Dimension



Block diagram