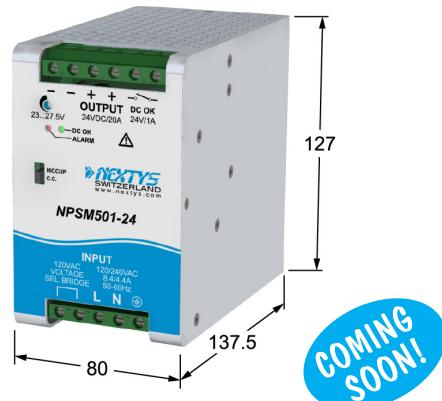


## NPSM501 – 480W DIN Rail Switching Power Supply

- High efficiency and compact size
- > 150% overload capability
- Constant Current or Hiccup Mode limitation
- Fan less operating
- Easy parallelable for power increase



IND.CONT.EQ  
4WX9



For reference only

### TECHNICAL DATA

	NPSM501-24	NPSM501-48	NPSM501-72
<b>OUTPUT DATA</b>			
Rated voltage	24Vdc	48Vdc	72Vdc
Adj. output voltage range	23...27.5Vdc	45...55Vdc	72...85Vdc
Continuous current	20A	10A	6A
Overload limit	30A / 5s	15A / 5s	10A / 5s
Short circuit peak current	> 50A / 5s	> 40A / 5s	> 20A / 5s
Load regulation		< 1 %	
Ripple		< 100mVpp	
Hold up time (Vin = 230Vac)		> 35ms	
Overload, short circuit, with constant or hiccup mode (user settable)			
Protections		Thermal protection Input Undervoltage lockout	
Output overvoltage protection	> 33Vdc	> 68Vdc	> 100Vdc
Parallel connection		Up to 4 units for increased power	
Status Signals		DC OK – green LED ALARM – red LED Dry contact 1A / 24Vdc	
<b>INPUT DATA</b>			
Input rated voltage frequency	AC: 120 / 230Vac / 47...63Hz (range 90...132 / 187...264Vac) DC: 250...345Vdc		
Input rated current (Vin = 120Vac) (Vin = 230Vac)	8.4A 4.4A		
Inrush peak current	< 35A		
Power factor	> 0.65		
Internal protection fuse	None, external fuse must be provided		
External protection on AC line	Fuse 10AT or MCB 10A C curve		
<b>GENERAL DATA</b>			
Efficiency	> 92%		
Dissipated power	< 42W		
Operating temperature	- 20°C...+ 60°C (over temperature protection)		
Derating	- 10W/°C over 45°C		
Oversupply category	II		
Pollution degree	2 (IEC 664-1)		
Input / output isolation	4.2kVdc		
Input / ground isolation	2.2kVdc		
Output / ground isolation	0.75kVdc		
Standards & Approvals	UL508 (certified), EN60950, CE marking		
EMC Standards	EN61000-6-2, EN61000-6-4		
Protection degree	IP20 acc. to EN60529		
Connection terminals	1.5...6mm <sup>2</sup> , screw type header (16...10AWG)		
Case material	Aluminum		
Approx. Weight	1.2kg		
Size (W x H x D)	80.0 x 127.0 x 137.5mm		
Mounting rail	IEC 60715/H15/TH35-7.5(-15)		
Rail mounting information	Vertical, allow 50mm spacing between adjacent items		