- High efficiency and compact size
- Overload 150%
- Only 40mm width aluminium enclosure

C UL us
LISTED
PENDING

IND.CONT.EQ
4WX9

CE

115

110

40
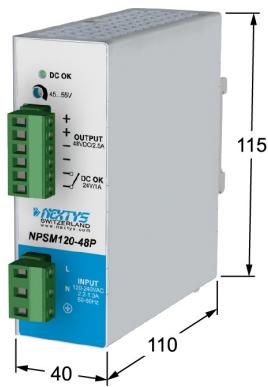
For reference only

TECHNICAL DATA

	NPSM120-12	NPSM120-24	NPSM120-24P	NPSM120-48P
OUTPUT DATA				
Rated voltage	12...15Vdc	24Vdc		48Vdc
Adj. output voltage range	12...15Vdc	23...27.5Vdc		45...55Vdc
Continuous current	7A	5A		2.5A
Overload limit	11...9.5A	7.5A		3.7A
Short circuit peak current	30A / 30ms			
Load regulation	< 1%			
Ripple	< 30mVpp			
Hold up time				
(Vin = 120Vac)	> 20ms	> 25ms	> 15ms	> 30ms
(Vin = 230Vac)	> 70ms	> 60ms	> 60ms	> 60ms
Protections	Overload/short circuit: hiccup Over temperature Overvoltage			
Output overvoltage protection	> 18Vdc	> 33Vdc		> 68Vdc
Parallel connection	Possible with external Oring diode		Factory provided with internal Oring diode	
Status Signals	DC OK – green LED Dry contact 1A / 24Vdc			
INPUT DATA				
Input rated voltage frequency	AC: 120...240Vac / 47...63Hz (range 85...264Vac) DC: 110...345Vdc			
Input rated current				
(Vin = 120Vac)	1.9A	2.1A		
(Vin = 230Vac)	1.1A	1.2A		
Inrush peak current	< 25A			
Power factor	> 0.6			
Internal protection fuse	Fuse 3.15AT / 250V (not user replaceable)			
External protection on AC line	Fuse 4AT or MCB 4A C curve			
GENERAL DATA				
Efficiency	> 85%	> 87%	> 86%	> 87%
Dissipated power	< 19W	< 17W	< 20W	< 17W
Operating temperature	- 20°C...+ 70°C (over temperature protection)			
Derating	- 2.4W/°C over 60°C			
Overvoltage 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, EN60950 (reference), CE marking			
EMC Standards	EN61000-6-2, EN61000-6-4			
Protection degree	IP20 acc. to EN60529			
Connection terminals	2.5mm², screw type header (24...12AWG)			
Case material	Aluminum			
Approx. Weight	0.400kg			
Size (W x H x D)	40.0 x 115.0 x 110.0mm			
Mounting rail	IEC 60715/H15/TH35-7.5(-15)			
Rail mounting information	Vertical, allow 10mm spacing between adjacent items			

NEXTYS