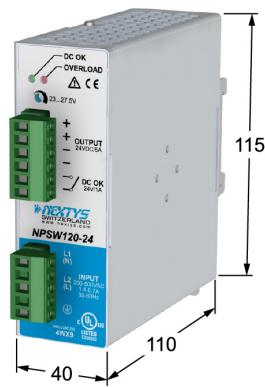


NPSW120 – 120W Wide Range DIN Rail Switching Power Supply

- 1 or 2 phase AC (187...550Vac) or DC (250...725Vdc) input
- High efficiency and compact size, only 40mm width
- > 150% overload capability
- Usable for broad range of industrial, telecom and renewable energy applications



IND.CONT.EQ
4WX9



For reference only

TECHNICAL DATA

	NPSW120-12	NPSW120-24	NPSW120-48P		
OUTPUT DATA					
Rated voltage	12...15Vdc	24Vdc	48Vdc		
Adj. output voltage range	12...15Vdc	23...27.5Vdc	45...55Vdc		
Continuous current	8...7A	5A	2.5A		
Overload limit	> 10A for > 30s with Uout > 90% Un	> 7.5A for > 30s with Uout > 90% Un	> 3.75A for > 30s with Uout > 90% Un		
Short circuit peak current	> 20A for 400ms	> 14A for 400ms			
Load regulation		< 1 %			
Ripple		< 100mVpp			
Hold up time (Vin = 230Vac) (Vin = 500Vac)		> 20ms > 80ms			
Protections	Overload/short circuit: hiccup Over temperature Overvoltage				
Output overvoltage protection	Active > 18Vdc	Active > 33Vdc	Active > 65Vdc		
Parallel connection	Possible with external Oring diode	Factory provided with int. Oring diode			
Status Signals	DC OK – green LED OVERLOAD – red LED Dry contact 1A / 24Vdc				
INPUT DATA					
Input rated voltage frequency	AC: 200...500Vac / 47...63Hz (range 187...550Vac) DC: 250...725Vdc				
Input rated current (Vin = 230Vac) (Vin = 500Vac)	1.2A 0.6A	1.4A 0.7A	1.4A 0.7A		
Inrush peak current	< 35A active Inrush current limiter				
Power factor	> 0.65				
Internal protection fuse	None, external fuse must be provided				
External protection on AC line	Fuse 4AT or MCB 6A C curve or 6A D curve				
GENERAL DATA					
Efficiency	> 83%	> 87%	> 87%		
Dissipated power	< 21W	< 18W	< 18W		
Operating temperature	- 20°C...+ 60°C (over temperature protection) - 4W/°C over 45°C				
Derating					
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	2.5mm ² , screw type pluggable (24...12AWG)				
Case material	Aluminum				
Approx. Weight	0.500kg				
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 20mm spacing between adjacent items				