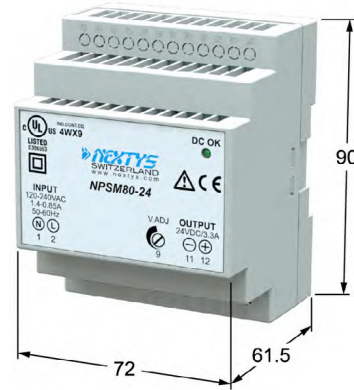


## 12V DIN Rail Power Supply 80 Watt ASINPSM80-12

- High efficiency and compact size
- Plastic enclosure, circuit breaker shape
- Simplified wiring (no PE connection)
- Overload 150%
- High operating temperature with no derating



For reference only



### TECHNICAL DATA

	NPSM80-12	NPSM80-24
<b>OUTPUT DATA</b>		
Rated voltage	12...15Vdc	24Vdc
Adj. output voltage range	12...15Vdc	23...28Vdc
Continuous current	6...5A	3.3A
Overload limit	7.5A @ 12Vdc 6.5A @ 15Vdc	4A
Load regulation	≤ 0.5%	≤ 1%
Ripple and noise	≤ 100mVpp	≤ 50mVpp
Hold up time		
Vin = 120Vac		≥ 10ms
Vin = 240Vac		≥ 30ms
Protections	<ul style="list-style-type: none"> <li>• Overload/short circuit: hiccup mode</li> <li>• Thermal protection</li> <li>• Output overvoltage</li> </ul>	
Status signals	DC OK - green LED	
Parallel connection	Possible for redundancy (with external ORing module)	
<b>INPUT DATA</b>		
Input AC rated voltage	Nominal: 120...240Vac (range 90...264Vac)	
Frequency	47...63Hz	
Input DC rated voltage	110...345Vdc	
Input AC rated current		
Vin = 120Vac	1.5A	1.4A
Vin = 240Vac	0.85A	0.85A
Input DC rated current		
Vin = 110Vdc	1A	
Vin = 345Vdc	0.4A	
Inrush peak current / I <sup>2</sup> t	≤ 54A / 1.28A <sup>2</sup> s	
Touch (leakage) current	≤ 0.25mA	
Internal protection fuse	Fuse 2AT (not user replaceable)	
Recommended external protection	MCB 6A C curve / SPD	
<b>GENERAL DATA</b>		
Efficiency	> 86%	> 87%
Dissipated power	< 12.5W	< 12W
Operating temperature	- 40°C...+ 70°C (UL certified up to 50°C for NPSM80-12 and up 55°C for NPSM80-24)	
Derating	- 1.2W/°C over 50°C	- 0.9W/°C over 55°C
Lifetime expectancy / MTBF	51'136h (5.8 years) at 25°C ambient full load / (MIL-HDBK-217F) 500'000h at 25°C ambient full load	
Overvoltage category	III	
Pollution degree	2 (IEC60664-1)	
Input / output isolation	4.2kVdc	
Standards & Approvals	UL508 (certified), EN60950 (reference), CE marking	
EMC Standards	EN61000-6-2, EN61000-6-4	
Protection degree	IP20 (EN60529)	
Connection terminals	2.5mm <sup>2</sup> , screw type header (24...12AWG)	
Case material	Plastic, Flame retardant UL94 V-0	
Weight	0.23kg	
Size (W x H x D)	72 x 90 x 61.5mm	