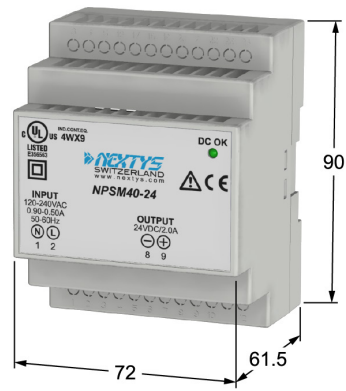


## NPSM40 – 40W DIN Rail Switching Power Supply

- High efficiency and compact size
- Plastic Enclosure
- Class II (simplified wiring)



IND.CONT.EQ  
4WX9



For reference only

### TECHNICAL DATA

	NPSM40-515	NPSM40-12D	NPSM40-12	NPSM40-24
<b>OUTPUT DATA</b>				
Rated voltage	5...15Vdc	2 x 12...16Vdc	12Vdc	24Vdc
Adj. output voltage range	5...15Vdc	2 x 12...16Vdc	12...15Vdc	Fixed 24Vdc
Continuous current	4A @ 5Vdc 2A @ 15Vdc	2 x 1A	3.5A @ 12Vdc 3A @ 15Vdc	2A
Overload limit	5.5A @ 5Vdc 2.9A @ 15Vdc	2 x 2.7...3.1A	7A @ 12Vdc 6A @ 15Vdc	3.5A
Load regulation	< 5%			
Ripple	< 50mVpp			
Hold up time (Vin = 120Vac)	> 50ms	> 30ms		> 20ms
(Vin = 230Vac)	> 60ms	> 100ms		> 60ms
Protections	Overload/short circuit: hiccup Over temperature			
Parallel connection	Possible with external Oring diode			
Status Signals	DC OK – green LED			
<b>INPUT DATA</b>				
Input rated voltage frequency	AC: 120...240Vac / 47...63Hz (range 90...264Vac) DC: 110...345Vdc			
Input rated current (Vin = 120Vac)	0.70A			0.90A
(Vin = 230Vac)	0.40A			0.50A
Inrush peak current	< 30A			
Power factor	> 0.6			
Internal protection fuse	Fuse 2AT / 250V (internal - not user replaceable)			
External protection on AC line	MCB 4A C curve			
<b>GENERAL DATA</b>				
Efficiency	> 80%	> 83%	> 87%	> 85%
Dissipated power	< 6W			< 8W
Operating temperature	- 20°C...+ 70°C (over temperature protection)			
Derating	- 0.25W/°C over 50°C	- 0.25W/°C over 50°C		- 0.35W/°C over 50°C
Overvoltage category	II			
Pollution degree	2 (IEC 664-1)			
Input / output isolation	4.2kVdc			
Standards & Approvals	UL508 (certified), EN60950, CE marking			
EMC Standards	EN61000-6-2, EN61000-6-4			
Protection degree	IP20 acc. to EN60529			
Connection terminals	2.5mm <sup>2</sup> , screw type header (24...12AWG)			
Case material	Flame retardant UL 94 V-0 plastics			
Approx. Weight	0.250kg			
Size (W x H x D)	72.0 x 90.0 x 61.5mm			
Mounting rail	IEC 60715/H15/TH35-7.5(-15)			
Rail mounting information	Vertical, allow 10mm spacing between adjacent items			