







Main Features

-) High efficiency and compact size
- J Plastic enclosure, circuit breaker shape
- J Simplified wiring (no PE connection)
-) Overload 150%
- J Includes (5...15V) and (2x 12...16V) models
-) High operating temperature with no derating

40W DIN Rail Switching Power Supply **NPSM40 Series**



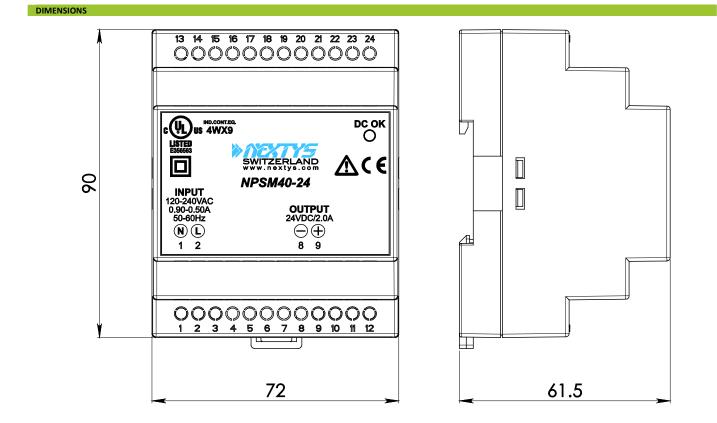
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NPSM40-515	NPSM40-12D	NPSM40-12	NPSM40-24	
515Vdc	2x 1216Vdc	1215Vdc	24Vdc	
			24Vdc Fixed	
	1.UA		2.0A	
4.0A @ 15Vdc	2.72.4A	4.1A @ 15Vdc	3.5A	
10A	3.5A	8.5A	7.0A	
	5 100	σπνρρ		
	≥1	loms		
	≥ 5	50ms		
 Overload/short circuit: F Thermal protection Output overvoltage 	Hiccup mode			
 DC OK - green LED 				
	Possible for redundancy (v	with external ORing module)		
<u> </u>				
	110	345VØC		
0.70	۸	0.0	04	
0.70A 0.90A 0.40A 0.50A				
0.40		0.5		
0.50/	A	0.6	0A	
		0.3		
	≤	75A		
	≤ 0.2	25mA		
Fuse 2AT (not user replaceable)				
MCB 6A C curve				
It is strongly recor	mmended to provide external s	urge arresters (SPD) according to lo	cal regulations.	
> 80%	> 83%	> 86%	> 85%	
<8W	< 7W	< 8W	< 9W	
			*	
	UL certifie	d up to 50°C		
- 0.25W/°C c	over 50°C	- 0.35W/°C	Cover 50°C	
	- 40°C.	+ 80°C		
595% r.H. non condensing				
	62'251h (7.1 years) at	t 25°C ambient full load		
 EN50178 	III			
• IEC60664-1	2			
CLASS	II			
	4.2	kVdc		
 UL508 	(certified E356563)			
 EN60950 	(reference)			
 EN50178 	(reference)			
 EN55011 (CISPR11) 	Class A			
 EN55022 (CISPR22) 	Class A			
 EN61000-4-2 EN61000-4-3 	Level 3			
 EN61000-4-3 	Level 3			
EN61000-4-3EN61000-4-4	Level 3 Level 3			
 EN61000-4-3 EN61000-4-4 EN61000-4-5 	Level 3 Level 3 Level 3			
 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-11 	Level 3 Level 3 Level 3 Level 2	0Hz: 2g 2hours / axis (X,Y,Z)		
EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-11 EN60529	Level 3 Level 3 Level 3 Level 2 IP20 (5-17.8Hz: ±1.6mm; 17.8-500	0Hz: 2g 2hours / axis (X,Y,Z)		
EN61000-4-3 EN61000-4-4 EN61000-4-4 EN61000-4-5 EN61000-4-11 EN60529 IEC 60068-2-6	Level 3 Level 3 Level 3 Level 2 IP20 (5-17.8Hz: ±1.6mm; 17.8-500 (30g 6ms, 20g 11ms; 3 bump	os / direction, 18 bumps total)		
EN61000-4-3 EN61000-4-4 EN61000-4-4 EN61000-4-5 EN61000-4-11 EN60529 IEC 60068-2-6	Level 3 Level 3 Level 3 Level 2 IP20 (5-17.8Hz: ±1.6mm; 17.8-500 (30g 6ms, 20g 11ms; 3 bump 2.5mm², screw type	os / direction, 18 bumps total) header (2412AWG)		
EN61000-4-3 EN61000-4-4 EN61000-4-4 EN61000-4-5 EN61000-4-11 EN60529 IEC 60068-2-6	Level 3 Level 3 Level 3 Level 2 IP20 (5-17.8Hz: ±1.6mm; 17.8-500 (30g 6ms, 20g 11ms; 3 bump 2.5mm ² , screw type ABS, Flame ret	os / direction, 18 bumps total)		
	S15Vdc S15Vdc 4.02.0A 6.5A @ SVdc 4.0A @ 15Vdc 10A IDA Overload/short circuit: I Thermal protection Output overvoltage DC OK - green LED OTO O.70 O.70	515Vdc 2x 1216Vdc 4.020A 1.0A 6.5A @ 5Vdc 2.72.4A 4.0A @ 15Vdc 3.5A 10A 3.5A 0.272.4A 10A 3.5A Overload/short circuit: Hiccup mode Thermal protection Output overvoltage DC OK - green LED Nominal: 1202 Range: 9	515Vdc 2x 1216Vdc 1215Vdc 4.02.0A 1.0A 3.53.0A 6.5A @ SVdc 2.72.4A 4.1A @ 15Vdc 4.0A @ 15Vdc 2.72.4A 4.1A @ 15Vdc 10A 3.5A 8.5A 5.00mVpp ≤ 10ms ≤ 50ms 2.10ms ≥ 50ms 0.0erload/short circuit: Hiccup mode = Thermal protection 2.00mVpp 0.0tput overvoltage Possible for redundancy (with external ORing module) Nominal: 120240Vac (UL certified) Range: 90264Vac 4763Hz 110345Vdc 0.70A 0.9 0.40A 0.5 0.50A 0.6 0.20A 275A Correr Fuse 2AT (not user replaceable) MCB 6A C curve It is strongly recommended to provide external surge arresters (SPD) according to lo 280% < 7W	

Start-up type tested: -40°C, possible at nominal voltage with load deration.
 For NPSM40-515 and NPSM40-12 measures are performed with output set to 15Vdc.

Notes:

- Technical parameters are typical, measured in laboratory environment at 25°C and 240Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.
 - Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.
 - Data may change without prior notice in order to improve the product.





CONNECTION

