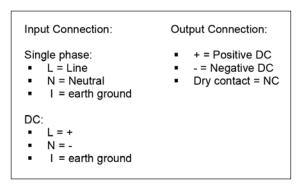


120W DIN Rail Mount Power Supplies ASINPSM121

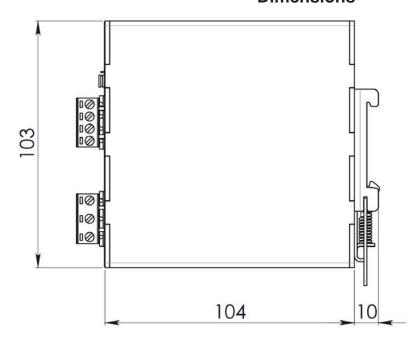
Main Features

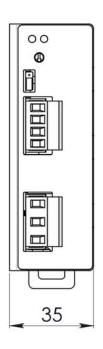
- Smallest 120 watt DIN rail power supply on the market.
- High efficiency and extremely compact size.
- Active power factor corrector compliant to EN61000-3-2.
- 150% overload capability.
- · Wide output voltage adjustable range.
- User settable limitation mode: Hiccup or constant current limitation.
- Parallel versions available.
- Only 35mm wide aluminium enclosure.
- 11.5 Vdc to 29Vdc adjustable output on model 121-12
- 23 Vdc to 56Vdc adjustable output on model 121-48





Dimensions







120W DIN Rail Mount **Power Supplies** ASINPSM121

		I DA	

TECHNICAL DATA	NDOM/C1 21	NIDOMANA OAD	NDC14404 40	1	NDOMANA 100			
Model type	NPSM121-24	NPSM121-24P	NPSM121-48		NPSM121-48P			
OUTPUT DATA Rated voltage	24Vdc			48Vdc				
Adj. output voltage range	11.529Vdc		48Vdc 2356Vdc					
Continuous current	5A		2.5A					
Overload limit	7.5A	3.75A						
Short circuit peak current	15A in hiccup mode		7.5A in hiccup mode					
presentati y wy stochou k towych i gorodnio	7.5A in constant current mode		3.75A in constant current mode					
Load regulation	≤ 1%	≤ 3%	≤ 0.5%		≤ 1.5%			
Ripple & Noise)mVpp					
Hold up time		> 2	20ms					
User interface	DC OK green LED Overload red LED Current limitation mode jump Dry contact (1A/30V)							
Output Protections	 Overload, short circuit, with constant current or hiccup mode (user settable) Thermal protection Input undervoltage lockout 							
Output overvoltage protection	> 33Vdc			> 68Vdc				
Parallel connection	9		r increased power					
Redundancy		(P) models include	internal ORing circuit					
INPUT DATA	=		1200					
Input AC rated voltage Frequency	Nominal: 120240Vac (UL certified) Range: 90264Vac 4763Hz							
Input DC rated voltage		110	345Vdc					
Input AC current Uin = 120Vac Uin = 240Vac	1.4A 0.7A							
Input DC current	-		are.					
Uin = 110Vdc		1	.4A					
Uin = 345Vdc			.5A					
	<40A							
Inrush neak current		<	1918.					
Inrush peak current			1912					
Inrush peak current Internal protection fuse External protection on AC line	It is strongly recomme	Fuse 3.15AT/250Vac MCB 4/	c (not user replaceable) A C curve	to local requ	lations.			
Internal protection fuse External protection on AC line	It is strongly recomme	Fuse 3.15AT/250Vac MCB 4/	(not user replaceable)	to local regu	lations.			
Internal protection fuse External protection on AC line GENERAL DATA	It is strongly recomme	Fuse 3.15AT/250Vac MCB 4/	c (not user replaceable) A C curve	to local regu	lations.			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency		Fuse 3.15AT/250Vac MCB 4/ nded to provide external su	c (not user replaceable) A C curve urge arresters (SPD) according	to local regu				
Internal protection fuse	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie	c (not user replaceable) A C curve urge arresters (SPD) according	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W ertemperature protection d up to 60°C	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W ertemperature protection d up to 60°C tested: - 35°C¹	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C	to local regu	> 89%			
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Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. t 74640h (8.5 years) at	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing 25°C ambient full Load II	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. t 74640h (8.5 years) at 2 (IEC	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+80°C non condensing 25°C ambient full Load II C 664-1)	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. t 74640h (8.5 years) at 2 (IEC	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing 25°C ambient full Load II C 664-1)	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation	> 90%	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. t 74640h (8.5 years) at 2 (IEC	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing 25°C ambient full Load II C 664-1) kVdc kVdc	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Output / ground isolation Output / ground isolation	> 90% < 13.5W - UL508 Listed - EN60950 (reference) - EN55022:2010 (CISPR22) - EN55011:2009 /A1:2010	Fuse 3.15AT/250Vac MCB 4, nded to provide external su > 89% < 15W - 35°C+ 70°C / ove UL certifie. Start-up type - 1.2W/°C - 40°C 595% r.H. I 74640h (8.5 years) at 2 (IEC 4.2 2.2 0.75 Class B Class B	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing 25°C ambient full Load II C 664-1) kVdc kVdc	to local regu	> 89%			
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Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity	> 90% < 13.5W - UL508 Listed - EN60950 (reference) - EN55022:2010 (CISPR22) - EN55011:2009 /A1:2010 - EN61000-4-2:2008 - EN61000-4-2:2008 - EN61000-4-3:2006 /A2:2010 - EN61000-4-5:2014	Fuse 3.15AT/250Vac MCB 4/ nded to provide external st > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. t 74640h (8.5 years) at 2 (IEC 4.2 2.2 0.75 Class B Class B Class B Class A Level 3 Level 3 Level 3 Level 3 Level 3	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing 25°C ambient full Load II C 664-1) kVdc kVdc	to local regu	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity	> 90% < 13.5W - UL508 Listed - EN60950 (reference) - EN55022:2010 (CISPR22) - EN55011:2009 /A1:2010 - EN61000-4-2:2008 - EN61000-4-2:2008 - EN61000-4-2:2014 - EN61000-4-5:2014 - EN61000-4-5:2014 - EN61000-4-11:2004 /A1:20	Fuse 3.15AT/250Vac MCB 4, nded to provide external su > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. 1 74640h (8.5 years) at 2 (IEC 4.2 2.2 0.75 Class B Class B Class B Class A Level 3 Level 3 Level 3 Level 3 Level 3 10 Level 2 IP20	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing 25°C ambient full Load II C 664-1) kVdc kVdc		> 89%			
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Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Output / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock	> 90% < 13.5W - UL508 Listed - EN60950 (reference) - EN55022:2010 (CISPR22) - EN55011:2009 (A1:2010 - EN61000-3-2:2014 - EN61000-4-2:2008 - EN61000-4-3:2006 (A2:2010 - EN61000-4-5:2014 - EN61000-4-11:2004 (A1:20 - EN60529:1989 (A:2013 - EC 60068-2-6:2007	Fuse 3.15AT/250Vac MCB 4, nded to provide external su > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. I 74640h (8.5 years) at 2 (IEC 4.2 2.2 0.75 Class B Class B Class B Class A Level 3 Level 3 Level 3 Level 3 Level 3 10 Level 2 IP20 (5-17.8Hz: ±1.6 (30g 6ms, 20g	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing .25°C ambient full Load II C 664-1) RVdc EkVdc E	axis (X,Y,Z)	> 89%			
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Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Output / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock Connection terminals Case material	> 90% < 13.5W - UL508 Listed - EN60950 (reference) - EN55022:2010 (CISPR22) - EN55011:2009 (A1:2010 - EN61000-3-2:2014 - EN61000-4-2:2008 - EN61000-4-3:2006 (A2:2010 - EN61000-4-5:2014 - EN61000-4-11:2004 (A1:20 - EN60529:1989 (A:2013 - EC 60068-2-6:2007	Fuse 3.15AT/250Vac MCB 4, nded to provide external su > 89% < 15W - 35°C+ 70°C / ove UL certifie Start-up type - 1.2W/°C - 40°C 595% r.H. I 74640h (8.5 years) at 2 (IEC 4.2 2.2 0.75 Class B Class B Class B Class A Level 3 Level 3 Level 3 Level 3 Level 3 Level 3 10 Level 2 IP20 (5-17.8Hz: ±1.6 (30g 6ms, 20g 2.5mm², screw type p	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing .25°C ambient full Load II C 664-1) RVdc EkVdc EkVdc EkVdc SkVdc	axis (X,Y,Z)	> 89%			
Internal protection fuse External protection on AC line GENERAL DATA Efficiency Dissipated power Operating temperature Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Output / ground isolation Output / ground isolation Safety Standards EMC Emission EMC Immunity Protection degree Vibration sinuosoidal Shock Connection terminals	> 90% < 13.5W - UL508 Listed - EN60950 (reference) - EN55022:2010 (CISPR22) - EN55011:2009 (A1:2010 - EN61000-3-2:2014 - EN61000-4-2:2008 - EN61000-4-3:2006 (A2:2010 - EN61000-4-5:2014 - EN61000-4-11:2004 (A1:20 - EN60529:1989 (A:2013 - EC 60068-2-6:2007	Fuse 3.15AT/250Vac MCB 4, nded to provide external su > 89% < 15W - 35°C+ 70°C / ove UL certifies Start-up type - 1.2W/°C - 40°C 595% r.H. I 74640h (8.5 years) at 2 (IEC 4.2 2.2 0.75 Class B Class B Class B Class B Class A Level 3 Level 3 Level 3 Level 3 Level 3 Level 3 10 Level 2 IP20 (5-17.8Hz: ±1.6 (30g 6ms, 20g 2.5mm², screw type p Alur 0.4	c (not user replaceable) A C curve urge arresters (SPD) according > 90% < 13.5W retemperature protection d up to 60°C tested: - 35°C¹ C over 60°C+ 80°C non condensing .25°C ambient full Load II C 664-1) RVdc EkVdc EkVdc EkVdc SkVdc SkVdc SkVdc SkVdc Simm; 17.8-500Hz: 2g 2Hours /	axis (X,Y,Z)	> 89%			