

ASINPSM120-12 120W DIN Rail Mount Power Supply

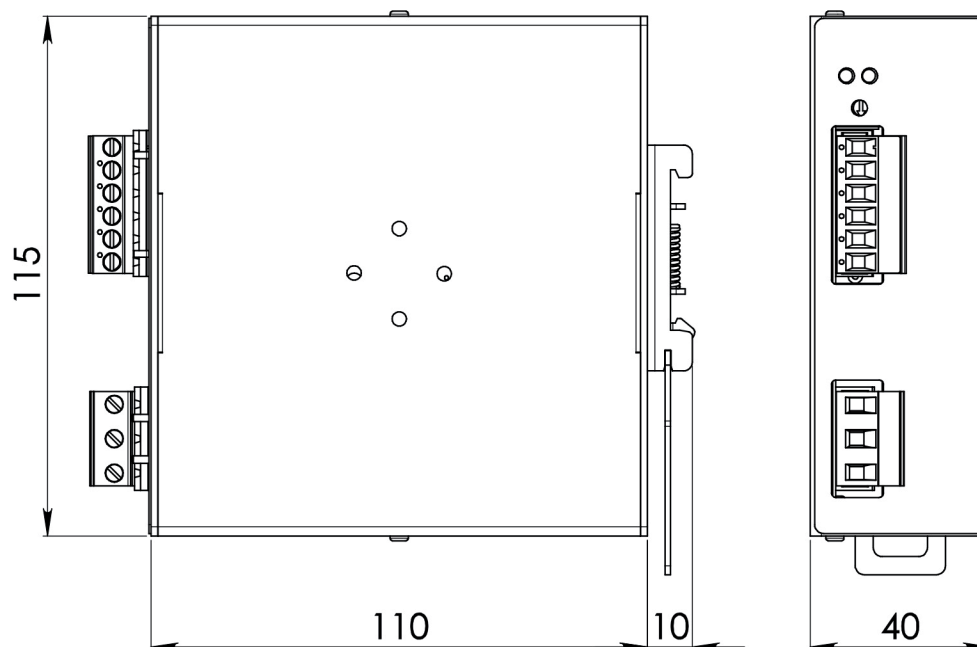
Main Features

- Compact high power 120 watt DIN rail power supply.
- High efficiency over 85%.
- 150% overload capability.
- 12 - 15 Vdc adjustable output.
- Input Rated Voltage:
AC - 120...240 Vac, DC - 110...345 Vdc
- Continuous current to 7A.
- 45mm wide aluminium enclosure.



Input Connection:	Output Connection:
Single phase: <ul style="list-style-type: none"> ▪ L = Line ▪ N = Neutral ▪ I = earth ground 	<ul style="list-style-type: none"> ▪ + = Positive DC ▪ - = Negative DC ▪ Dry contact = NC
DC: <ul style="list-style-type: none"> ▪ L = +/- ▪ N = -/+ ▪ I = earth ground 	

Dimensions



TECHNICAL DATA

Model type	ASINPSM120-12	
OUTPUT DATA		
Rated voltage	12...15Vdc	
Adj. output voltage range	12...15Vdc	
Continuous current	7A	
Overload limit	11...9.5A	
Short circuit peak current	30A per 30ms	
Load regulation	< 1%	
Ripple & Noise	≤ 120mVpp	
Hold up time		
U _{in} = 120Vac	> 10ms	
U _{in} = 230Vac	> 60ms	
Status Signals	<ul style="list-style-type: none"> ▪ DC OK green LED ▪ Dry contact (1A/30V) 	
Output protections	<ul style="list-style-type: none"> ▪ Hiccup at the overload limit with auto reset ▪ Over temperature ▪ Overvoltage 	
Output overvoltage protection	> 18Vdc	
Parallel connection	Possible with external ORing diode	
INPUT DATA		
Input rated voltage / frequency	AC: 120...240Vac / 47...63Hz (range 90...264Vac) DC: 110...345Vdc	
Input AC current		
U _{in} = 120Vac	1.9A	
U _{in} = 230Vac	1.1A	
Input DC current		
U _{in} = 110Vdc	1.3A	
U _{in} = 345Vdc	0.5A	
Inrush peak current	< 25A	
Power factor	> 0.60	
Internal protection fuse	Fuse 3.15AT/250Vac (not user replaceable)	
External protection on AC line	Fuse 6AT or MCB 6A C curve It is strongly recommended to provide external surge arresters (SPD) according to local regulations.	
GENERAL DATA		
Efficiency	> 84%	
Dissipated power	< 20W	
Operating temperature	- 40°C...+ 70°C / overtemperature protection UL certified up to 60°C (Start-up type tested: - 40°C)	
Derating	- 2.4W/°C over 60°C	
Humidity	5...95% r.H. non condensing	
Life time expectation	106880h (12.2 years) at 25°C ambient full Load	
Overvoltage category	II	
Pollution degree	2 (IEC 664-1)	
Input / output isolation	4.2 kVdc	
Input / ground isolation	2.2 kVdc	
Output / ground isolation	0.75 kVdc	
Safety Standards	<ul style="list-style-type: none"> ▪ UL508 (certified) ▪ EN60950 	
EMC Emission	<ul style="list-style-type: none"> ▪ EN55022:2010 (CISPR22) Class A 	
EMC Immunity	<ul style="list-style-type: none"> ▪ EN61000-4-2:2008 Level 3 ▪ EN61000-4-3:2006 /A2:2010 Level 3 ▪ EN61000-4-4:2012 Level 3 ▪ EN61000-4-5:2014 Level 3 ▪ EN61000-4-11:2004 /A1:2010 	
Protection degree	<ul style="list-style-type: none"> ▪ EN60529:1989 /A:2013 IP20 	
Vibration sinusoidal	<ul style="list-style-type: none"> ▪ IEC 60068-2-6:2007 (5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2Hours / axis (X,Y,Z)) 	
Shock	<ul style="list-style-type: none"> ▪ IEC 60068-2-27:2008 (30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total) 	
Connection terminals	2.5 mm ² , Pluggable screw type (24...12 AWG)	
Case material	Aluminum	
Approx. weight	0.450 kg	
Size (W x H x D)	40.0 x 115.0 x 110.0mm	
Mounting Rail	IEC 60715/H15/TH35-7.5(-15)	