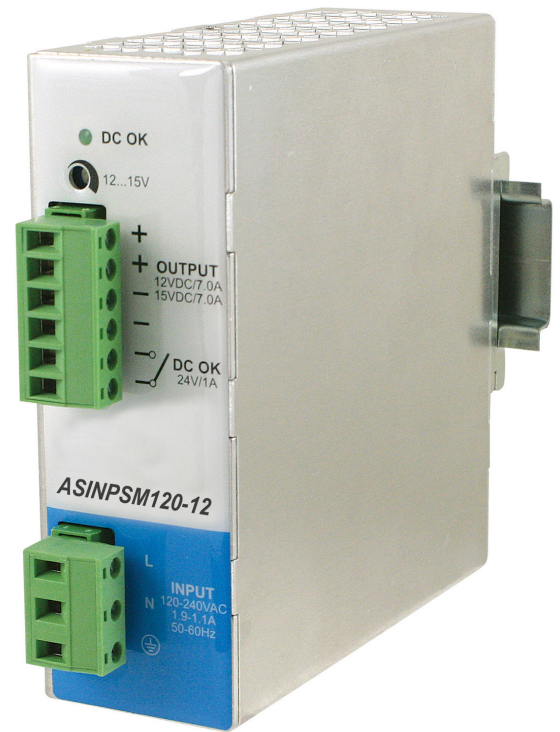


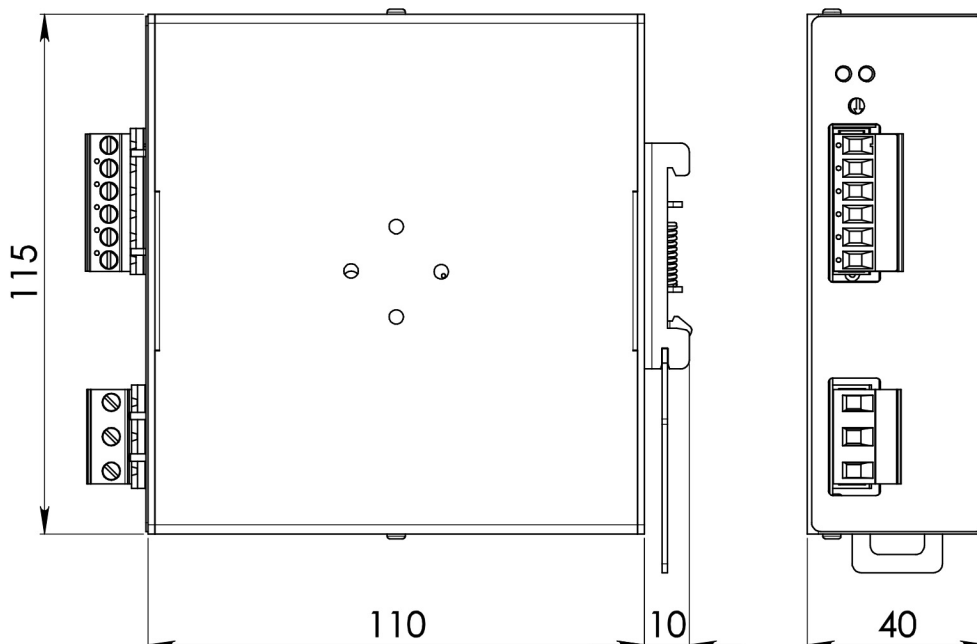
Main Features

- 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) | |