

APS

Advanced Power Solutions

UNIVERSAL AC INPUT AC-DC SINGLE OUTPUT 125 WATTS INDUSTRIAL DIN-RAIL SWITCHING MODE POWER SUPPLIES APS125ID SERIES



FEATURES:

- ACCOMMODATES UNIVERSAL AC SOURCES
- MEETS UNIVERSAL SAFETY STANDARD
- INDUSTRIAL POWER SUPPLIES FOR
SNAP-ON MOUNTING ON DIN-RAILS
- EMI MEET CISPR PUB.22 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ. 90-264Vac
Input Connector: Combicon (M-T) plug connector
Input Frequency: 47-63Hz
Inrush Current: Typ. <30.5A @ 230Vac
Input Current: 1.56A @ 115Vac, 0.86A @ 230Vac
Dielectric Withstand: Meets IEC950
EMI: Meet CISPR EN55022 B & FCC B
No Load Operation: No damage
Hold-up Time: Typ. 13mS @ 115Vac / 86mS @ 230Vac
Earth Leakage: Typ. 0.65mA @ 230Vac

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typ. 120W continuous
Output Connector: Combicon (M-T) plug connector
Line Regulation: Typ. 0.1%
Load Regulation: Typ. ± 1.0 -2.0%
Noise & Ripple: Typ. 1% peak to peak
OVP: Built-in. (Latch)
Adjustability: Available at VO1
Overload Protection (OLP): Fully protected against
output overload and short circuit
Consult the factory for OLP setting
LED Indicator: Output indicating

GENERAL SPECIFICATION

Efficiency: Typ. 81-82%
Switching Frequency: Fixed freq. 62KHz
Circuit Topology: Fixed frequency flyback circuit
Transient Response: Output voltage returns in less than
0.1mS following a 25% load change
Safety Standard: IEC950/UL1950 Class I
Power Density: 2.0 Watt/ Cubic Inch
Industrial Grade UL508

Operating Temperature: -10 to +70°C at full load,
(>+60 °C: by de-rating 2% / °C)
Storage Temperature: -25 to +85°C
Temperature Coefficient: 0.03% / °C
Cooling: Convection cooling for Temp. < +60°C. Moving
air is request for Temp. >+60°C full load operation
Construction format: Enclosure metal box with
DIN-clips format

OUTPUT VOLTAGE/ CURRENT RATINGS CHART

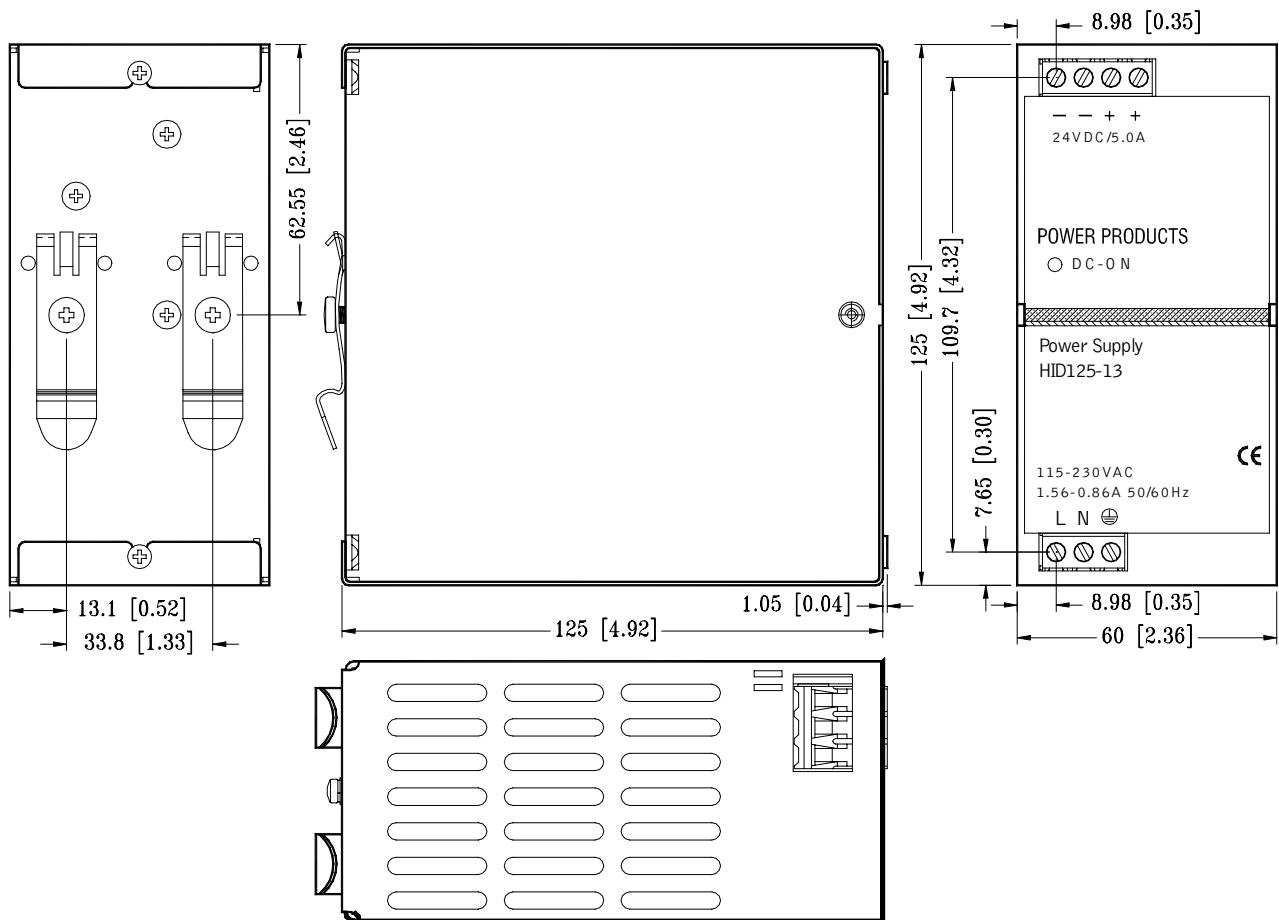
SINGLE OUTPUT

| MODEL NO. | MAIN VO1 @ ★ | | |
|------------------|--------------|-------|-------------|
| | Typ. | Volt. | Max / Pk. |
| APS125ID-S120100 | 10.0A | 12.0V | 11.0A/12.0A |
| APS125ID-S240050 | 5.0A | 24.0V | 5.2A/ 6.0A |
| APS125ID-S480026 | 2.6A | 48.0V | 2.8A/ 3.2A |

Symbol: "@"Adjustable. "★" OVP built-in .

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 715.0g(25.2 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

| ASSIGNMENT CNTR & PIN # | AC INPUT | | | SINGLE OUTPUT | |
|----------------------------|----------|------------|-----------|---------------|--------|
| | AC-LINE | AC-NEUTRAL | AC-GROUND | VO1 | DC COM |
| | P1-3. | P1-2. | P1-1 | P2-3,4 | P2-1,2 |