

APS

Advanced Power Solutions

UNIVERSAL AC INPUT AC-DC SINGLE OUTPUT 60 WATTS INDUSTRIAL DIN-RAIL SWITCHING POWER SUPPLIES APS60ID SERIES



FEATURES:

- ACCOMMODATES UNIVERSAL AC SOURCES
- MEETS UNIVERSAL SAFETY STANDARDS & INDUSTRIAL UL508
- INDUSTRIAL POWER SUPPLIES FOR SNAP-ON MOUNTING ON DIN-RAILS
- EMI MEETS CISPR PUB.22 B.& FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ. 90-264Vac universal input
Input Connector: Phoenix GMSTBA2.5/3-G-7.62
Input Frequency: 47-63Hz
Inrush Current: Typ. 25A @ 230Vac
Input Current: Typ. 1.0A/115Vac, 0.5A/230Vac
Dielectric Withstand: Meets IEC950
EMI: Meet CISPR EN55022 B. & FCC B
No Load Operation: No damage
Hold-up Time: 20mS @ 115Vac, 110mS @ 230Vac
Earth Leakage: Less than 0.40mA @ 230Vac

OUTPUT SPECIFICATION

Output Voltage: See Ratings Charts
Output Current: See Ratings Charts
Output Wattage: Typ. 60W continuous
Output Connector: Phoenix MSTBA2.5/2-G-5.08
Line Regulation: Typ. 0.1%
Load Regulation: Vary with output voltages. Typ. $\pm 1.0\%$
Noise & Ripple: Typ. 1% peak to peak
OVP: Built-in
Adjustability: Available
Overload Protection (OLP): Fully protected against output overload and short circuit
 Consult the factory for OLP setting
LED Indicator: Installed

GENERAL SPECIFICATION

Efficiency: Typ. 75%
Switching Frequency: Fixed freq. 50KHz
Circuit Topology: Fixed frequency flyback circuit
Transient Response: Output voltage returns in less than 3mS following a 25% load change
Safety Standard: IEC950/UL1950 Class I
Power Density: 2.0Watts / Cubic Inch
UL508 Industrial Grade

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

OUTPUT VOLTAGE/ CURRENT RATINGS CHART

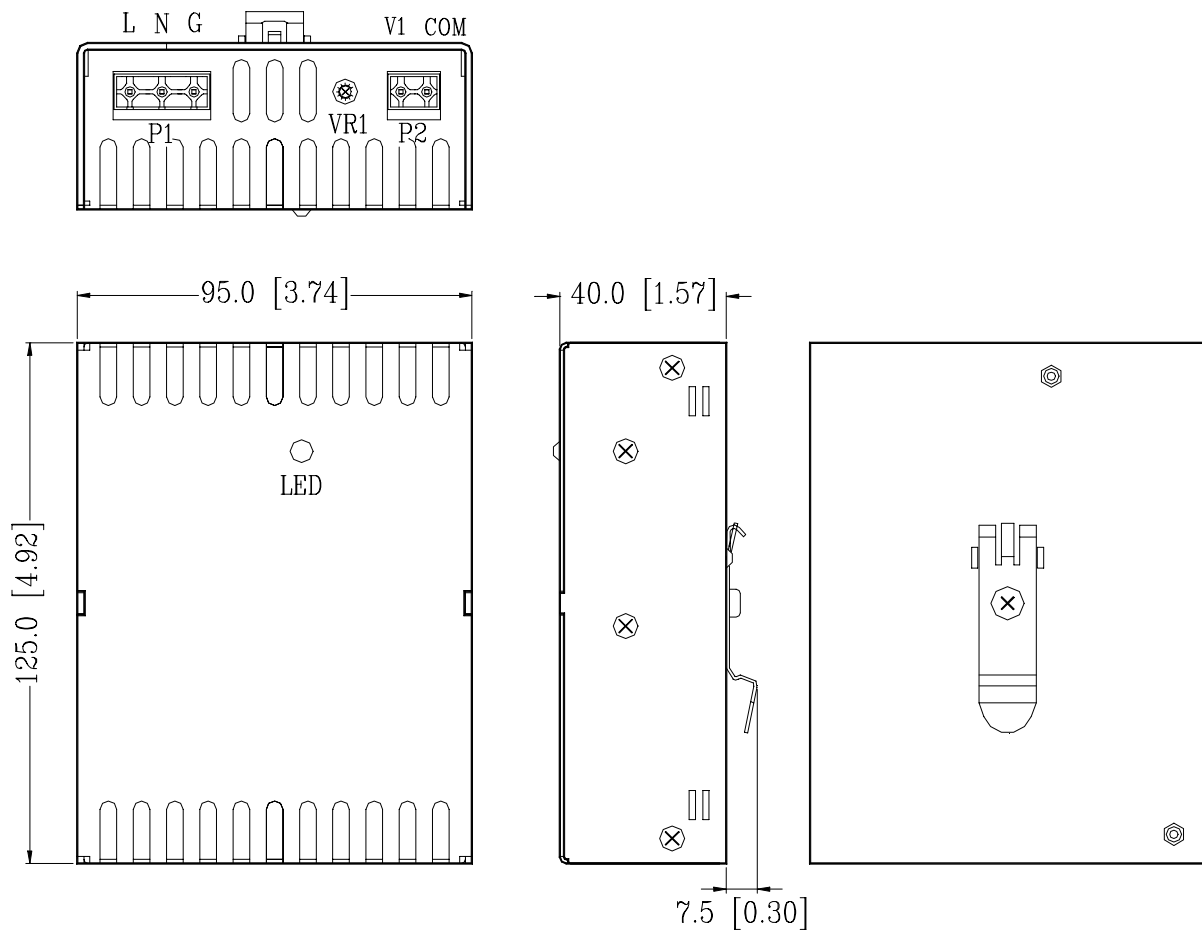
SINGLE OUTPUT

MODEL NO.	MAIN VO1 @ ★	
	Typ.	Volt.
APS60ID-S120050	5.0A	12.0V
APS60ID-S240025	2.5A	24.0V
APS60ID-S480014	1.4A	48.0V

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

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 500.5g(17.65 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

ASSIGNMENT	AC INPUT			SINGLE OUTPUT	
	AC-LINE	AC-NEUTRAL	AC-GROUND	VO1	DC COM
CONNECTOR & PIN #	P1-3 (L)	P1-2 (N)	P1-1(G)	P2-2	P2-1

Mating connector: P1: Phoenix GMSTB2.5/3-ST-7.62

P2: Phoenix MSTB2.5/2-ST-5.08.