

# 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

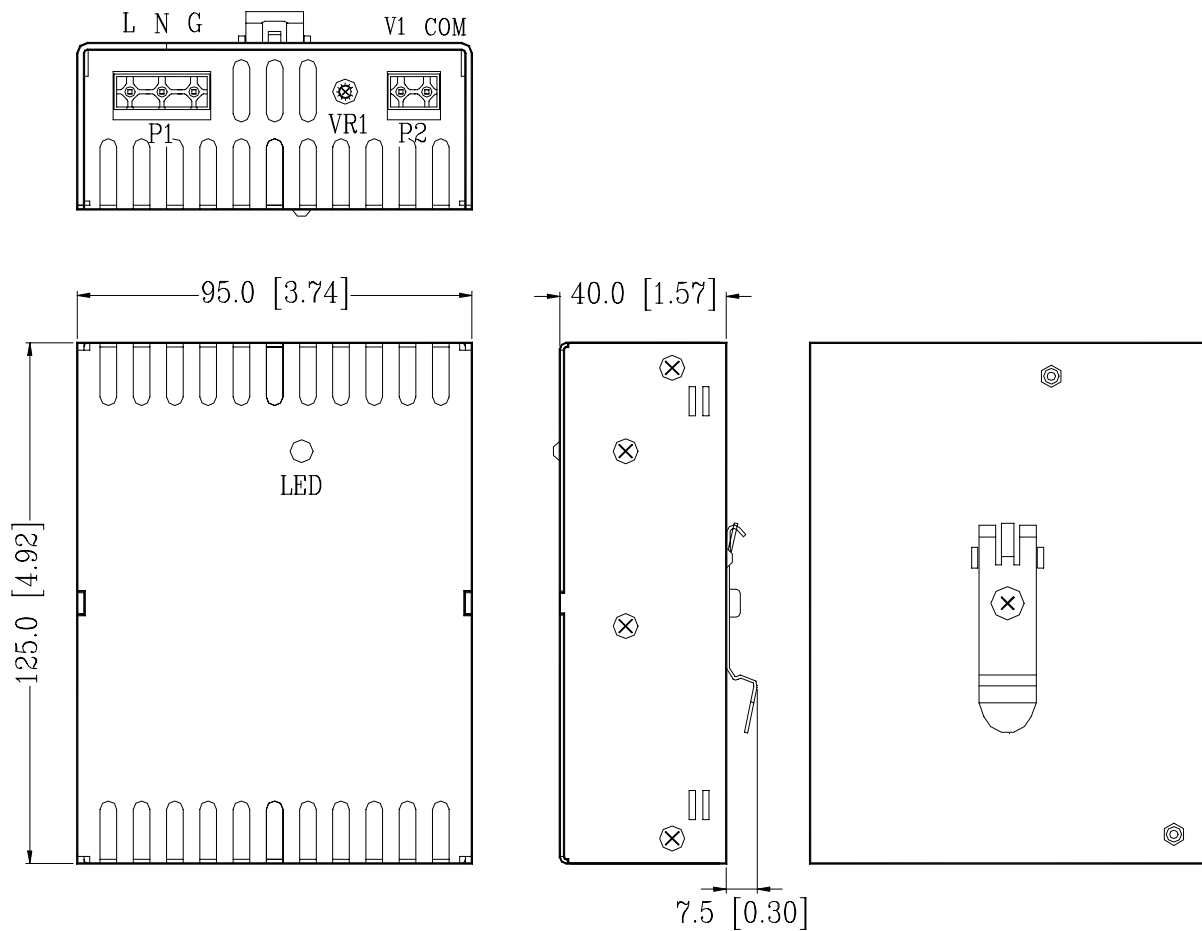
### SINGLE OUTPUT

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.