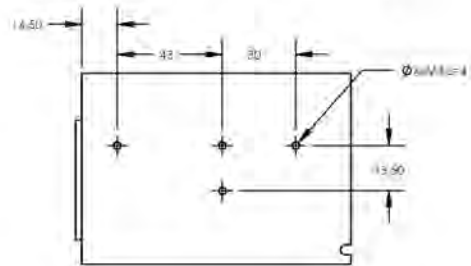
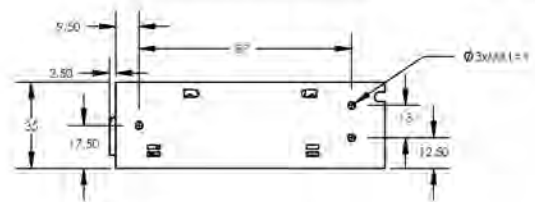
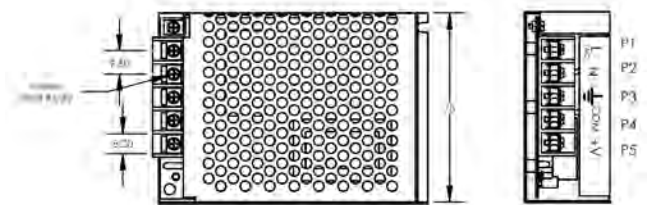


AEU65 Series

TUV Cert. No.: R50219138
UL File: E204980



65 Watt Single Output Enclosed Switching Power Supply for General Purpose Applications



:: Description

Input Characteristics

Input Voltage:	90 to 264 V (AC)
Input Voltage:	127 to 373 V (DC)
Input Frequency Range:	47 to 63 Hz
Max Input Current:	1.6 A (@115 VAC), 0.8A (@230 VAC typ.)
Maximum Inrush Current:	30 A (@115 VAC cold start)
Maximum Inrush Current:	60 A (@230 VAC cold start)

Output Characteristics

Minimum Load:	No minimum load
Adjustable Output Range:	±5%
Ripple/Noise(pk-pk 20MHz):	50 mV to 300 mV
Regulation:	±1 to 0.5 % load, ±0.5% line
Hold-up Time:	14 ms (115 or 230 VAC); 12 ms @ 115 VAC 24 ms @ 230 VAC
Rise-up Time:	30 ms (115 or 230 VAC)
Over Current Protection:	110 to 160% Hiccup mode. Resets automatically once the fault condition is removed.
Over Voltage Protection:	> 115% (Zener Diode)

General Specifications

Dimension (L x W x H):	4.3 x 3.1 x 1.38" / 110 x 78 x 35
Weight:	200 g
Warranty:	5 years

Environmental Specifications

Operating Temperature:	-20 to 50°C
Storage Temperature:	-40-85°C
Cooling:	Natural convection
Humidity:	10-95%
Vibration:	10-500 Hz, 2G 20 min/cycle, period of 60 min, each X, Y & Z axis

EMC & Safety Specifications

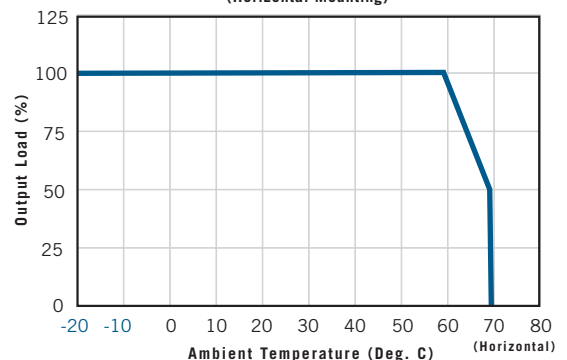
EMI Emissions:	Compliance to EN55022, CISPR22 Class B (Conducted & Radiated)
Safety Approval:	TUV EN60950-1 (Insulation Class -1) UL 60950-1
Dielectric Strength:	Input/Output 3 kV Input-Floating Gate 1.5 kV Output-Floating Gate 0.5 kV
Insulation Resistance:	Input-Output 100 Mohm, 500 Vdc Input-Floating Gate 100 Mohm, 500 Vdc Output-Floating Gate 100 MOhm, 500 Vdc

:: Connector Types

Input: Screw Terminals
Output: Screw Terminals

:: Derating Curve

*Output Derating VS Ambient Temperature (Horizontal Mounting)



Part Number	Voltage	Current	Efficiency
AEU65-033	3.3 V	10 A	81%
AEU65-050	5 V	10 A	84%
AEU65-120	12 V	5.42 A	87%
AEU65-150	15 V	4.33 A	87%
AEU65-240	24 V	2.71 A	86.50%
AEU65-360	36 V	1.81 A	87.50%
AEU65-480	48 V	1.35 A	87.50%