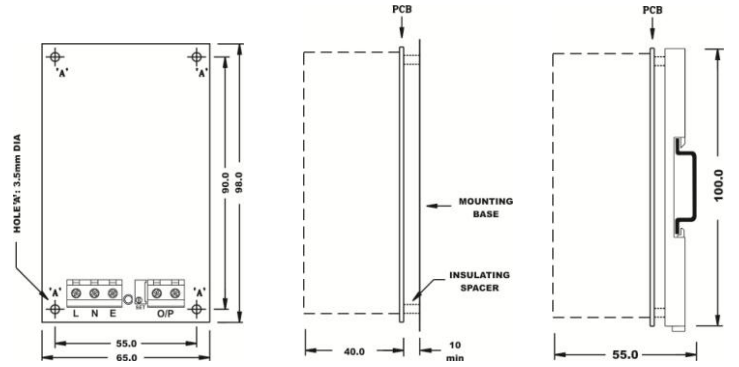


24W SMPS SINGLE OUTPUT OPEN FRAME



All dimensions in mm

FEATURES	<ul style="list-style-type: none"> Single Phase Input Built In Transient protector & EMI filter Protection against short circuit, overload & overvoltage Low ripple & noise Cooling by free air convection Power OK indication, terminations, output set control & rating details on front 100% full load burn in tested Low cost High reliability Compact 				
ISOLATION	Input – Output : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute				
EFFICIENCY	75 ~ 78% with input 230VAC & full load at output.				
OUTPUT VOLTAGE ADJUSTMENT	+/- 10% of nominal output voltage				
OVERLOAD PROTECTION	105% ~ 130% of rated load				
LINE & LOAD REGULATION	Better than 0.5%				
HOLD UP TIME	> 20ms at rated input voltage and load (Refer Fig.2)				
OPERATING AMBIENT	0 ~ 50°C, 95% RH				
STORAGE AMBIENT	-20°C to 85°C				
SAFETY STANDARD	Design refers to EN60950-1				
EMC STANDARD	Design refers to EN55022, EN55024				
TERMINATIONS	Screw type, for 2.5mm sq. wire				
MOUNTING	35 mm DIN rail				
WEIGHT	140 grams				
ORDERING INFORMATION	UNIVERSAL INPUT		OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION
	INPUT VOLTAGE	AC			
	NOMINAL INPUT	230V			
	INPUT RANGE	100 ~ 270V			
	INPUT FREQUENCY	47 ~ 63Hz			
	INPUT CURRENT (max)	0.6A @230V			
	INRUSH CURRENT	32A @230V			
	ORDER CODE	AS358-151	05V : 4.0A	< 100mV	< 7V
		AS358-153	12V : 2.0A	< 120mV	< 16V
		AS358-154	15V : 1.5A	< 150mV	< 20V
		AS358-155	24V : 1.0A	< 240mV	< 30V
		AS358-156	48V : 0.5A	< 480mV	< 63V

Note: 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 100uF parallel capacitor.
 3. The power supply is intended to be installed as a component inside the enclosure of final equipment. The final equipment must be re-confirmed that it still meets the EMC directives.
 4. These units are designed for mounting on horizontal DIN rail. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.

Derating

Ambient temperature Vs Load current

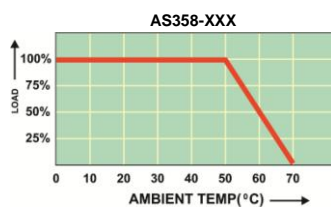


FIG.1

Brown – Out Sustainability

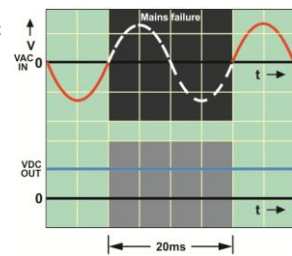


FIG.2

Output Characteristics

Input voltage Vs Load current

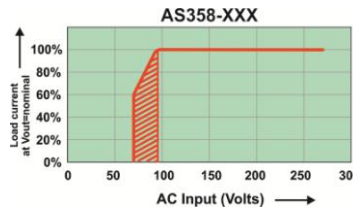


FIG.3

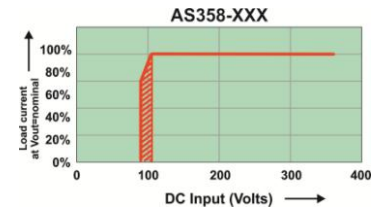


FIG.4