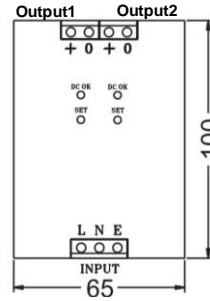
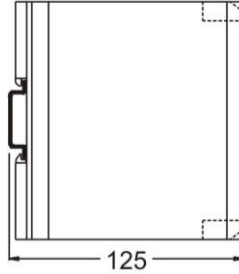


## 70W SMPS DUAL OUTPUT



All dimensions in mm

<b>FEATURES</b>	<ul style="list-style-type: none"> <li>Single Phase Input</li> <li>Built In Transient protector &amp; EMI filter</li> <li>Protection against short circuit, overload &amp; overvoltage</li> <li>Low ripple &amp; noise</li> <li>Cooling by free air convection</li> </ul>	<ul style="list-style-type: none"> <li>Power OK indication, terminations, output set control &amp; rating details on front</li> <li>100% full load burn in tested</li> <li>Low cost</li> <li>High reliability</li> <li>Compact</li> </ul>
<b>ISOLATION</b>	Input – Output : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute Output1 – Output2 : Refer table	
<b>EFFICIENCY</b>	70 ~ 75% (with input 230VAC & full load at output)	
<b>OUTPUT VOLTAGE ADJUSTMENT</b>	+/- 10% of nominal output voltage (Refer Note 5)	
<b>OVERLOAD PROTECTION</b>	105% ~ 130% of rated load (O/P2 is with internal thermal shutdown)	
<b>LINE &amp; LOAD REGULATION</b>	Better than 0.5% for both outputs	
<b>HOLD UP TIME</b>	> 20ms at rated input voltage and load (Refer Fig.4)	
<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH	
<b>STORAGE AMBIENT</b>	-20°C to 85°C	
<b>SAFETY STANDARD</b>	Design refers to EN60950-1 / IS13252	
<b>EMC STANDARD</b>	Design refers to EN55022, EN55024	
<b>APPROVAL / MARK</b>	BIS (IS13252 (PART1) : 2010 / IEC60950-1:2005)	
<b>TERMINATIONS</b>	Screw type, for 2.5mm sq. wire	
<b>MOUNTING</b>	35 mm DIN rail	
<b>WEIGHT</b>	490 grams	

ORDERING INFORMATION	230VAC/DC INPUT		110VAC/DC INPUT		OUTPUT	ISOLATION O/P1-O/P2	RIPPLE & NOISE	OVER VOLTAGE PROTECTION FOR OUTPUT1	
	INPUT VOLTAGE	AC	DC	AC					DC
	<b>NOMINAL INPUT</b>	230V	230V	110V					110V
	<b>INPUT RANGE</b>	185 ~ 270V	200 ~ 360V	90 ~ 130V					100 ~ 160V
	<b>INPUT FREQUENCY</b>	47 ~ 63Hz	—	47 ~ 63Hz					—
	<b>INPUT CURRENT (max)</b>	1A @230V	0.35A @230V	2A @110V					0.7A @110V
	<b>INRUSH CURRENT</b>	32A @230V	23A @230V	16A @110V					11A @110V
	<b>ORDER CODE</b>	G31-70-05-05		G32-70-05-05					+5V : 5A
	G31-70-12-12		G32-70-12-12		-5V : 1.5A	NIL	< 100mV		
	G31-70-15-15		G32-70-15-15		+12V : 4A	NIL	< 120mV	< 16V	
	G31-70-24-24		G32-70-24-24		-12V : 1.5A	NIL	< 120mV		
	G31-70-24-05		G32-70-24-05		+15V : 3A	NIL	< 150mV	< 20V	
	G31-70-24-12		G32-70-24-12		-15V : 1.5A	NIL	< 150mV		
	G31-70-12-05		G32-70-12-05		+24V : 1.5A	0.5KVAC, 1 minute	< 240mV	< 30V	
					-24V : 1A	0.5KVAC, 1 minute	< 240mV	< 30V	
					+24V : 2A	0.5KVAC, 1 minute	< 240mV	< 30V	
					+5V : 1.5A	0.5KVAC, 1 minute	< 100mV	< 30V	
					+24V : 2A	0.5KVAC, 1 minute	< 240mV	< 30V	
					+12V : 1.5A	0.5KVAC, 1 minute	< 120mV	< 30V	
					+12V : 4A	0.5KVAC, 1 minute	< 120mV	< 16V	
					+5V : 1.5A	0.5KVAC, 1 minute	< 100mV	< 16V	

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.  
 5. To set slave output2 at +10%, master output1 should be greater than nominal output voltage (For example: G31-70-12-05, set O/P1 to 12.10V).  
 6. If the output voltage adjuster is turned, the voltage will increase by more than +10% of the voltage adjustment range. When adjusting the output voltage, confirm the actual output voltage from the power supply & be sure that the load is not damaged.

