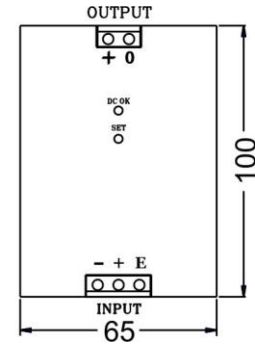
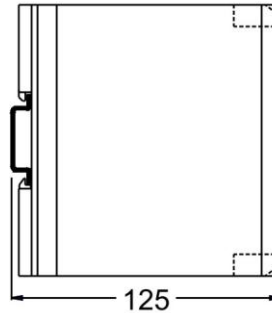


## DC - DC CONVERTER 120W



All dimensions in mm

FEATURES	<ul style="list-style-type: none"><li>DC 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>				
ISOLATION	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5 KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute				
EFFICIENCY	70 – 75%				
O/P VOLTAGE ADJUSTMENT	+/- 10% of nominal output voltage				
OVERLOAD PROTECTION	105% ~ 130% of rated load				
LINE & LOAD REGULATION	Better than 0.5%				
OPERATING AMBIENT	0 ~ 50°C, 95% RH				
STORAGE AMBIENT	-20°C to 85°C				
SAFETY STANDARD	IS 13252(Part 1):2010/IEC 60950-1:2005				
EMC STANDARD	Design refers to EN55022, EN55024				
APPROVAL / MARK	BIS MARKED				
TERMINATIONS	Screw type, for 2.5mm sq. wire				
MOUNTING	35 mm DIN rail				
WEIGHT	530 grams				
ORDERING INFORMATION		NOMINAL INPUT : – 48VDC	OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION
	INPUT RANGE	– 38 to – 60VDC			
	I/P CURRENT (max)	4.0A @ – 48VDC			
	ORDER CODE	G35-120-05	05V : 8.0A	< 100mV	< 7V
		G35-120-12	12V : 8.0A	< 120mV	< 16V
		G35-120-15	15V : 8.0A	< 150mV	< 20V
		G35-120-24	24V : 5.0A	< 240mV	< 30V
		G35-120-36	36V : 3.3A	< 360mV	< 45V
		G35-120-48	48V : 2.5A	< 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

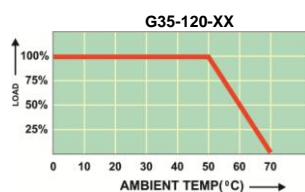


FIG.1

### Output Characteristics

#### Input voltage Vs Load current

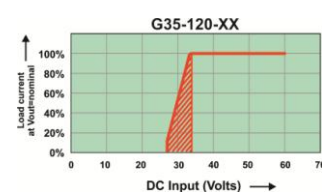


FIG.2