



DC-15

15W DC-DC CONVERTER

- Gives Isolated $\pm 12\text{Vdc}$ or 24Vdc supply from non-isolated input
- Isolation to 500Vdc
- Compact DIN-Rail Mounting
- Full Input / Output Protection
- Other Voltage Options Available



Description

The DC-15 DC-DC Converter accepts a 24Vdc supply and generates an isolated $\pm 12\text{Vdc}$ voltage with an available output current of up to 625mA .

The unit is typically used to provide a clean, isolated 24Vdc auxiliary power supply for panel based systems. In this case the output 0V terminal can be left disconnected, using the output $+ve$ and $-ve$ instead.

If required an output enable option can be fitted. In this case a logic signal of 5V to 24Vdc can be used to enable the output of the converter remotely.

Inputs

Recommended Operating Conditions

Input Voltage	20 to 34Vdc or 16 to 24Vac rms
Output Voltage	$\pm 12\text{Vdc}$ / 24Vdc (others available)
Output Power	15W

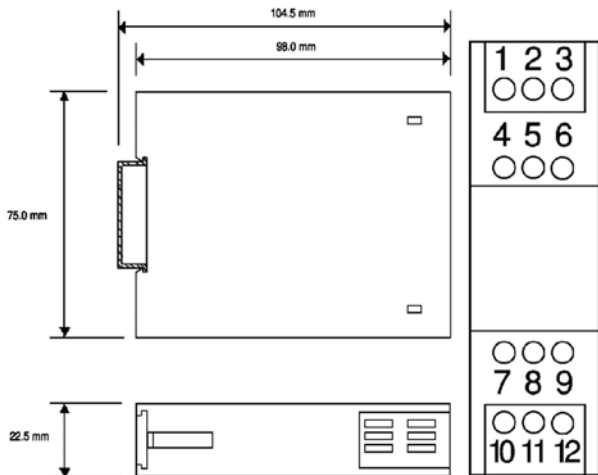
Environmental Conditions

Storage Temperature	-40 to $85 \text{ }^\circ\text{C}$
Operating Ambient	0 to $45 \text{ }^\circ\text{C}$
Relative Humidity	0 to 90 \% RH



Performance Characteristics

Parameter	Min	Typ	Max	Comments
Supply Voltage		24Vdc		
Supply Current			650mA	At 24Vdc supply
Output Voltage		±12Vdc		Other options available
Output Current			625mA	
Output Enable Voltage	4Vdc		40Vdc	Output enabled if voltage present
Output Enable Current	2mA		20mA	Output enabled if current present
Operating Ambient	0≡C		40≡C	
Relative Humidity	0%		90%	
Notes	Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur. Device is protected against reverse polarity connection and output short circuit.			



Installation Data

Mounting	DIN Rail TS35
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 120g

Connection Details

- 5. Power Supply +ve
- 4. Power Supply -ve
- 3. Output Enable +ve
- 6. Output Enable -ve
- 9. Output +ve
- 8. Output 0V
- 7. Output -ve

Ordering Information

Please supply:

Part Number:	DC-15
Input Voltage:	e.g. 24Vdc
Output Voltage:	e.g. 24Vdc
Output Enable Option:	Yes / No