

# DRT-240 Series

## 240W Single Output DIN Rail Power Supplies



### FEATURES

- Three phase AC 340-550V wide range input
- Dual phase operation possible with de-rating
- Short circuit, overload, over voltage, over temperature protected
- Cooling by free air convection
- Built in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508 (industrial control equipment) approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 year warranty

### ENVIRONMENTAL

Operating Temp: -20 to +70°C (with de-rating)

Storage Temp: -40 to +85°C

### SAFETY / EMC (SEE NOTE 4)

EN60950  
UL60950  
UL508

EN55011 (CISPR11)  
EN55022 (CISPR22)  
EN61204-3 Class B  
EN61000-4-2, 3, 4, 5, 6, 8, 11  
ENV50204  
EN61204-3  
EN61000-6-2 (EN50082-2)  
Heavy industry level, criteria A



### ELECTRICAL SPECIFICATIONS

Model No.	DRT-240-XX	
XX	24	48
AC Input	340-550VAC, 3 Phase, 47-63Hz	
DC Input	480-780VDC	
DC Output		
Voltage	24V	48V
Current	0-10A	0-5A
Rated Power	240W	240W
Ripple & noise (p-p)	80mV	80mV
Voltage Tolerance	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%
Load Regulation	±0.5%	±0.5%
Overload	Constant I limiting. Recovers automatically when fault removed	
Over Voltage	Shuts down O/P volts. Re-power on to recover	
Over Temperature	Shuts down O/P volts. Recovers automatically when temp goes down	
Dimensions	125.5(W) x 125.2(H) x 100(D)mm	
Weight	1.3Kg	

- Notes:**
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
  2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
  3. Tolerance includes set up tolerance, line and load regulation.
  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
  5. Dual phase operation: de-rating of 20% required.

Specifications subject to change without notice

### Safety Power Group Ltd

9, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire. GU14 7QN

Tel: +44 (0) 1252 515565

Fax: +44 (0) 1252 546021

e-mail: sales@safety-power.com

web: www.safety-power.com