

DIN-Rail Power Supplies



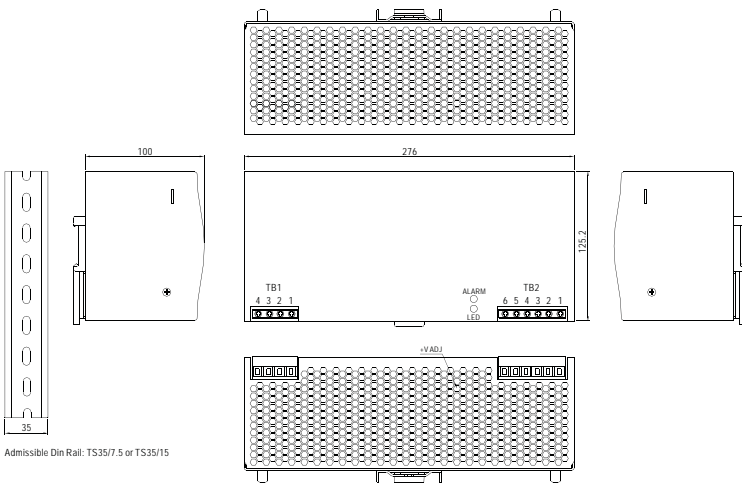
DRT-960 Series

Features

- ✓ Three-Phase AC 340-550V wide range input
- ✓ High efficiency 91% and low dissipation
- ✓ Protections: Short circuit/Overload/Over voltage/Over temp.
- ✓ Optional parallel function (1+1)
- ✓ Cooling by free air convection
- ✓ Can be installed on DIN-Rail TS-35/7.5 or 15
- ✓ UL 508 (industrial control equipment) approved
- ✓ EN61000-6-2 (EN50082-2) industrial immunity level
- ✓ 100% full load burn-in test
- ✓ 3 years warranty



Dimensions



Admissible Din Rail: TS35/7.5 or TS35/15

Terminal Pin. No Assignment (TB1)

Pin No.	Assignment
1	AC/L1
2	AC/L2
3	AC/L3
4	FG

Terminal Pin. No Assignment (TB2)

Pin No.	Assignment
1,2,3	DC OUTPUT +V
4,5,6	DC OUTPUT -V

Environmental

Operating Temp: Regular: -20 to 60°C

Storage Temp: -20 to 85°C (-4 to 185°F)

Operating Humidity: 20%~90% RH (Non-condensing)

Regulatory Approvals

Safety: UL508, UL 60950-1, TUV EN60950-1

EMI: EN55011, EN55022 (CISPR22), EN61204-3 Class B

Harmonic Current: EN61000-3-2, -3

EMS: EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN61204-3, EN61000-6-2 (EN50082-2)

Others

MTBF: 122.5K hrs min. MIL-HDBK-217F

Dimensions: 276*125.2*100mm (W*H*D)

Weight: 3.3kg

Hardware Specifications

Output

Model	DRT-96024	DRT-96048
DC Voltage	24V	48V
Rated Current	40A	20A
Current Range	0-40A	0-20A
Rate Power	960W	960W
Ripple & Noise	80mVp-p	80mVp-p
Voltage ADJ. Range	24-28V	48-53V
Voltage Tolerance	± 1.0%	± 1.0%
Line Regulation	± 0.5%	± 0.5%
Load Regulation	± 0.5%	± 0.5%
Setup, Rise Time	200ms, 60ms/400VAC 200ms, 60ms/500VAC at full load	
Hold up Time	14ms/400VAC 30ms/500VAC at full load	

Input

Model	DRT-96024	DRT-96048
Voltage Range	Three-Phase 340-550VAC	
Frequency Range	47-63Hz	
Efficiency	91%	92%
AC Current	2A/400VAC ,1.6A/500VAC	
Inrush Current	Cold Start 50A	
Leakage Current	<3.5mA/530VAC	

Protection

Model	DRT-96024	DRT-96048
Over Voltage	30-36V	59-66V
AC Current	105-150% rated output power	