

# DIN-Rail Power Supplies



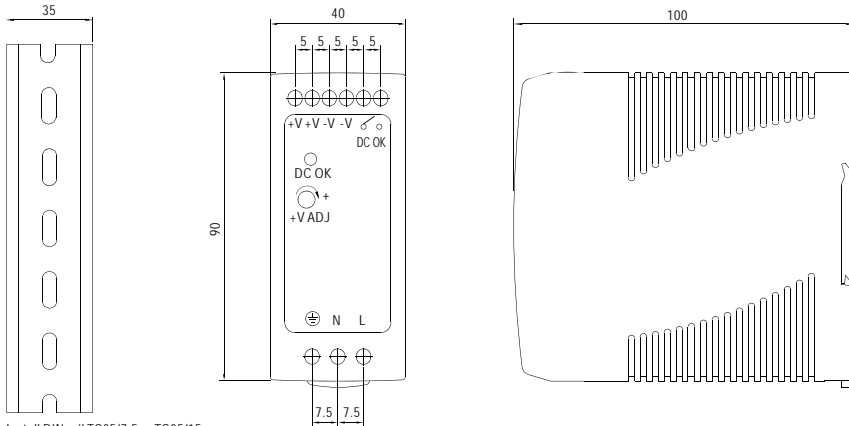
## Features

- ✓ Universal AC input/Full range
- ✓ Protections: Short circuit/Overload/Over voltage/Over temp.
- ✓ Cooling by free air convection
- ✓ Can be installed on DIN-Rail TS-35/7.5 or 15
- ✓ DC OK relay contact
- ✓ LED indicator for power on
- ✓ 100% full load burn-in test
- ✓ No load power consumption < 0.75W
- ✓ 3 years warranty

## MDR-40 Series



## Dimensions



Install DIN rail TS35/7.5 or TS35/15

## Hardware Specifications

### Output

Model	MDR-4005	MDR-4012	MDR-4024	MDR-4048
DC Voltage	5V	12V	24V	48V
Rated Current	6A	3.33A	1.7A	0.83A
Current Range	0-6A	0-3.33A	0-1.7A	0-0.83A
Rate Power	30W	40W	40.8W	39.8W
Ripple & Noise	80mVp-p	120mVp-p	150mVp-p	200mVp-p
Voltage ADJ. Range	5-6V	12-15V	24-30V	48-56V
Voltage Tolerance	± 2.0%	± 1.0%	± 1.0%	± 1.0%
Line Regulation	± 1.0%	± 1.0%	± 1.0%	± 1.0%
Load Regulation	± 1.0%	± 1.0%	± 1.0%	± 1.0%
Setup, Rise Time	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load			
Hold up Time	50ms/230VAC 20ms/115VAC at full load			

### Input

Model	MDR-4005	MDR-4012	MDR-4024	MDR-4048
Voltage Range	85-264VAC 120-370VDC			
Frequency Range	47-63Hz			
Efficiency	76%	80%	81%	84%
AC Current	0.55A/115VAC, 0.35A/230VAC			
Inrush Current	Cold Start 20A/115VAC, 40A/230VAC			
Leakage Current	<1mA/240VAC			

### Protection

Model	MDR-4005	MDR-4012	MDR-4024	MDR-4048
Over Voltage	6.25-7.25V	15.6-18V	31.2-36V	57.6-64.8V
AC Current	105-150% rated output power			

## Environmental

- Operating Temp:** Regular: -20 to 70°C
- Storage Temp:** -40 to 85°C (-4 to 185°F)
- Operating Humidity:** 20%-90% RH (Non-condensing)

## Others

- MTBF:** 301.7K hrs min. MIL-HDBK-217F
- Dimensions:** 40\*90\*100mm (L\*W\*H)
- Weight:** 0.3kg

## Regulatory Approvals

- Safety:** UL508, 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, ENV55024, EN61000-6-1, EN61204-3