

# DR-75-24

75W/3.2A DIN-Rail 24VDC Industrial Power Supply



## Features

- -10°C to 60°C operating temperature range
- Can be installed on DIN-rail TS-35/7.5 or 15
- Short circuit/over load/over voltage/over temperature protections
- UL508 (industrial control equipment) approved



## Hardware Specifications

### Power

#### Power Input

- Voltage Range: 85 to 264VAC; 120 to 370VDC
- Frequency Range: 47 to 63Hz
- Efficiency: 80%
- AC Current (Typ.): 1.6A / 115VAC; 0.96A / 230VAC
- Inrush Current (Typ.): Cold Start 20A / 115VAC; 40A / 230VAC Leakage Current: <1mA / 240VAC

#### Power Output

- DC Voltage: 24V
- Rated Current: 3.2A Current
- Range: 0 to 3.2A
- Rated Power: 76.8W
- Ripple & Noise (max.): 150mVp-p
- Voltage Adj. Range: 24 to 28V
- Voltage Tolerance:  $\pm 1.0\%$
- Line Regulation:  $\pm 0.5\%$
- Load Regulation:  $\pm 1.0\%$
- Setup, Rise Time: 1000ms, 60ms / 230VAC; 1800ms, 60ms / 115VAC at full load
- Hold up Time: 60ms / 230VAC; 12ms / 115VAC at full load

#### Over Load Protection

- 105 to 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed

### Environment

#### Operating Temperature

- -10°C to 60°C (Refer to output load derating curve)

#### Storage Temperature

- -20°C to 85°C (-4°F to 158°F)

#### Working Humidity

- 20% to 90%RH non-condensing

#### Storage Humidity

- 10% to 95%RH

### Regulatory Approvals

#### Safety

- UL508, TUV EN60950-1 Approved

#### EMC

- EN55011 EN55022 (CISPR22) Class B EN61000-3-2, -3
- Withstand Voltage:
  - I/P-O/P: 3KVAC
  - I/P-FG: 1.5KVAC
  - O/P-FG: 0.5KVAC
- O/P-DC OK: 0.5KVAC Isolation Resistance:
  - I/P-O/P
  - I/P-FG
  - O/P-FG: 100M Ohms / 500VDC

#### EMS

- EN61000-4-2,3,4,5,6,8,11
- ENV50204
- EN55024 E
- N61000-6-2 (EN50082-2), Heavy industry level, criteria A

#### Environmental Test Compliance

- Vibration
  - 10 to 500Hz, 2G 10min./1 cycle, period for 60 min. each along X, Y, Z axes

### Mechanical

#### Casing

- Aluminum case

#### Dimensions

- 55.5mm (W) x 100mm (D) x 125.2 mm(H)  
(2.22" (W) x 4" (D) x 5.00" (H))

#### Weight

- 0.6kg (1.32 lb)

#### Installation

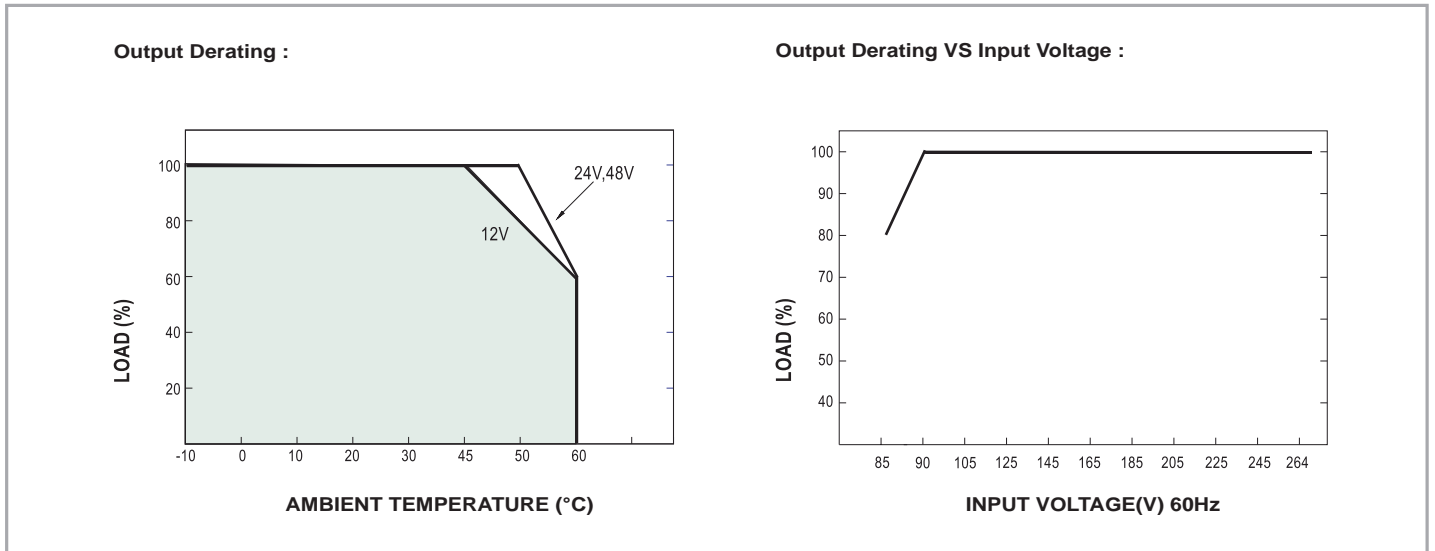
- DIN-Rail

### Protection

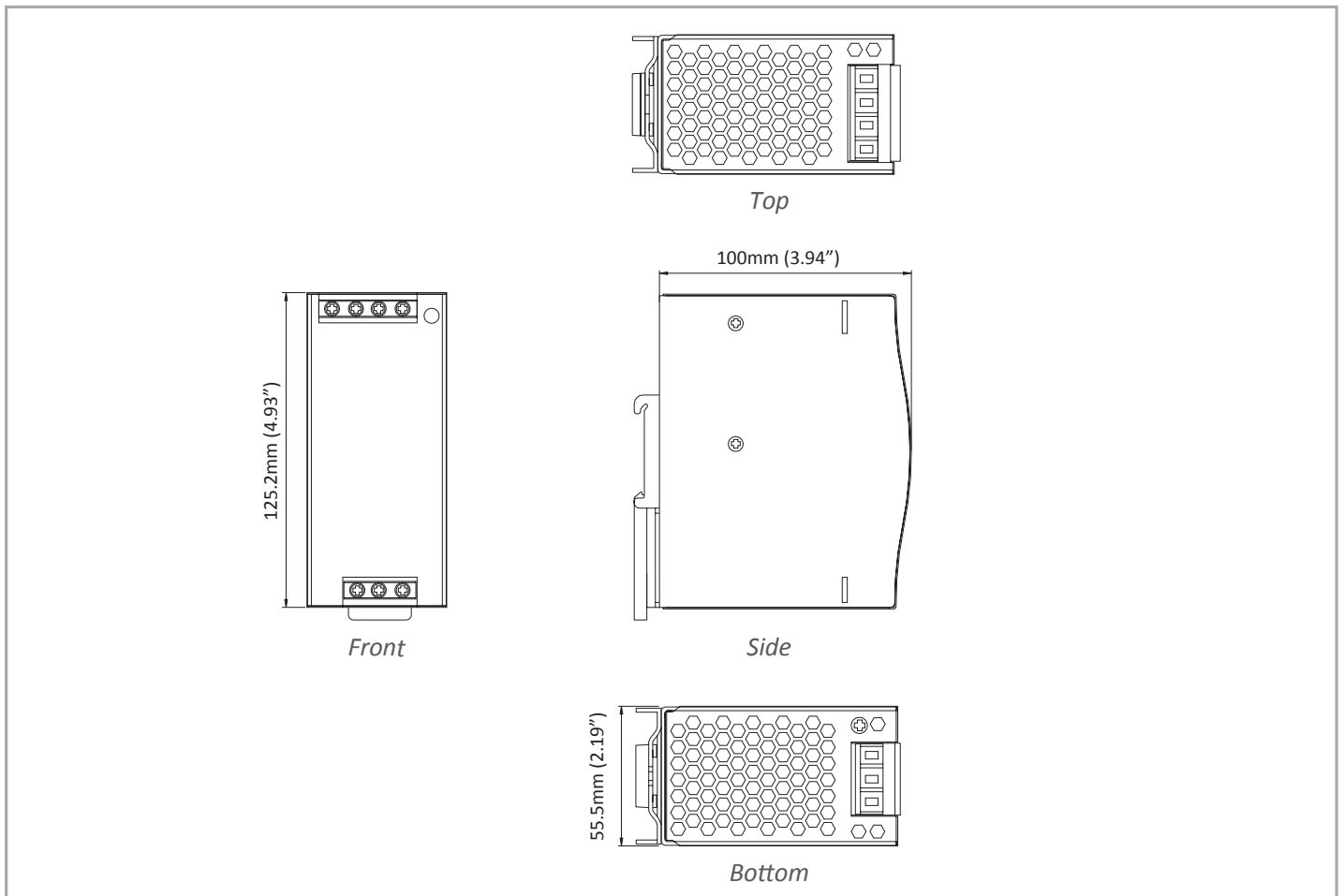
#### Over Voltage Protection

- 29 to 34V
- Protection type : Hiccup mode, recovers automatically after fault condition is removed

## Derating Curves



## Dimensions



## Ordering Information

**Model**

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