

Product Feature

1. Three-Phase 340 ~ 550VAC wide range input
2. 63mm slim width
3. Protections: Overload/Over voltage/Over temperature
4. Cooling by free air convection
5. Can be installed on DIN rail TS-35/7.5 or 15
6. 100% full load burn-in test
7. 3 years warranty



Safety regulations and electromagnetic compatibility

- Safety specification EN/EN 62368-1, CCC GB4 943, BS EN/EN61558-1, BS EN/EN61558-2-16, BIS IS13252(Part1)(only for 24V), EAC TP TC 004
- Withstand voltage

Input-output :3KVAC, input-ground:2KVAC, output-ground:0.5KVAC O/P-DC OK(optional):0.5KVAC

- Insulation impedance

Input-output and input -output -ground:100M Ohms/500VDC/25°C,70%RH

- Electromagnetic compatibility

Meet BS EN /EN55024 , BS EN/EN61000-6-2, CCC GB17625.1, GB/T9254, BSMI CNS13438

Note: The power supply should be considered as part of the components in the system, and the electromagnetic compatibility should be confirmed with the terminal



3 years
Warranty

815g/Typ.

Environment

- Operating temperature/humidity
-30°C~+70°C/20~95%RH, non-condensing (please refer to "Derating curve")
- Storage temperature/humidity
-40°C~+85°C/10~95%RH, non-condensing
- MTBF
1534.9K hr s min. Telcordia SR-332(Bellcore); 215.6K hr s min. MIL-HDBK-217F (25°C)

Electrical Specifications

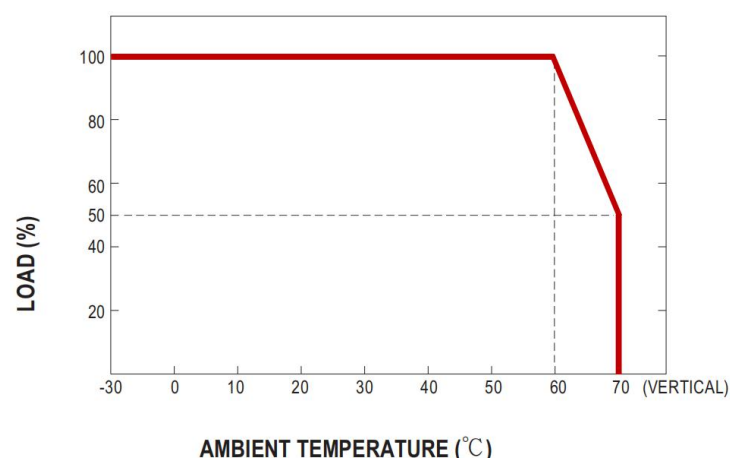
| Model number | DMT-240-24 | DMT-240-48 |
|------------------------|---|------------|
| DC output | 24V | 48V |
| Rated current | 10A | 5A |
| Current range | 0~10A | 0~5A |
| Rated power | 240W | 240W |
| Ripple and noise(Max.) | 100mVp-p | 100mVp-p |
| Voltage range | 24~28V | 48~55V |
| Voltage accuracy | ±1.0% | ±1.0% |
| Linear adjustment rate | ±0.5% | ±0.5% |
| Load adjustment rate | ±1.0% | ±1.0% |
| Start /rise time | 2000ms,60ms/400VAC 1500ms,60ms/500VAC(full load) | |
| Holding time(Typ.) | 20ms/400VAC 40ms/500VAC(full load) | |
| Voltage range | Three-phase 340~550VAC(two-phase operation when connected L1,L3,FG or L2,L3,FG) or 480~780VDC | |
| Frequency range | 47~63Hz | |
| Efficiency(Typ.) | 92.5% | 93% |
| AC current(Typ.) | 0.69A/400VAC 0.6A/500VAC | |

| | | |
|-----------------------------|--|--------|
| Inrush current(Typ.) | Cold start(50A) | |
| Leakage current | <3.5mA/530VAC | |
| Overload protection | 105-130%of rated output power | |
| | Protection mode:constant current limit,shut off output after 3 seconds,restart and restore | |
| Over-voltage protection | 29~33V | 56~65V |
| | Protection mode:hiccup mode,automatically recovered after fault disappears | |
| Over-temperature protection | Turn off the O/P voltage and recover automatically after the temperature drops | |
| Dimension | 63*113.5*125.2mm | |
| Weight | 0.815kg | |

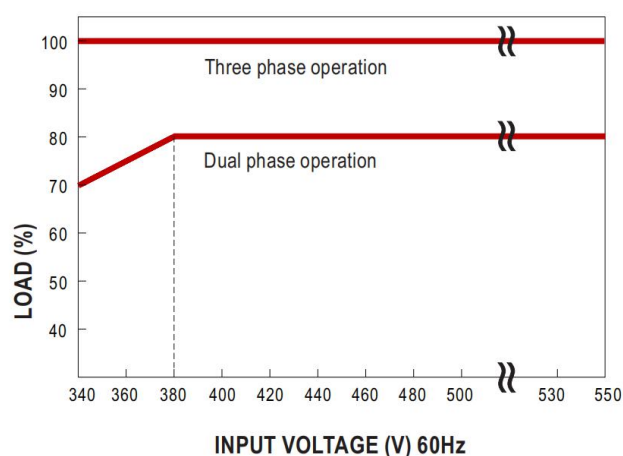
Note:

1. Unless otherwise specified, all parameters are measured under the input 230VAC, full load, and 25°(ambient temperature).
2. Ripple and noise measurement method:Use a 12 twisted pair cable and output terminals are paralleled with 0.1 μF and 47μF capacitors, and measured at 20MHZ bandwidth.
3. Installation gap: When the load is continuously fully loaded,the installation distance should be 40mm from the top, 20mm from the bottom, and 5mm from each side. If adjacent equipment is a heat source, a gap of 15mm is required.
4. When the altitude exceeds 2000 meters (6500 feet), the ambient temperature of fanless models decreases at a rate of every 3.5 °C/1000 meters, while the ambient temperature of fanless models decreases at a rate of every 5°C/1000 meters

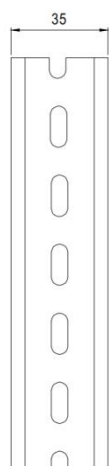
Derating Curve



Output Derating VS Input Voltage



Installation Instruction



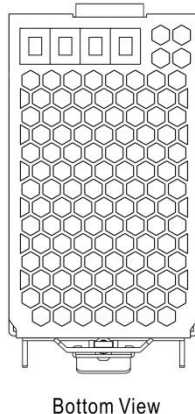
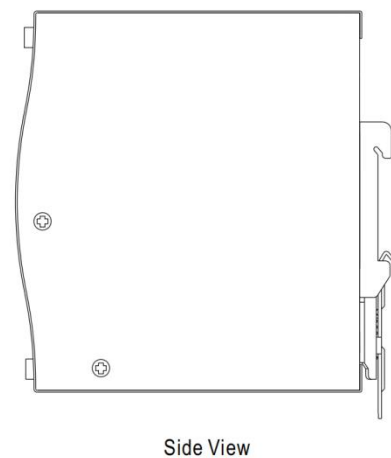
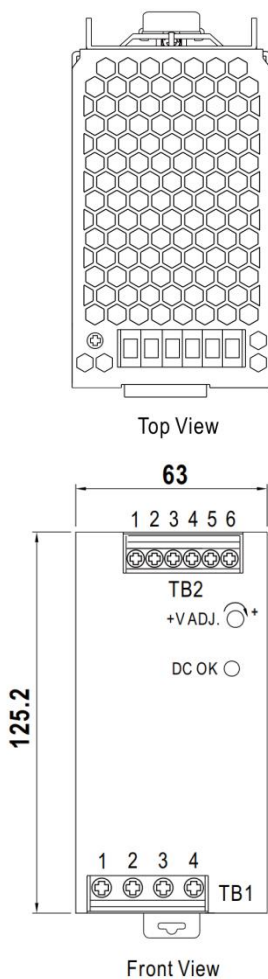
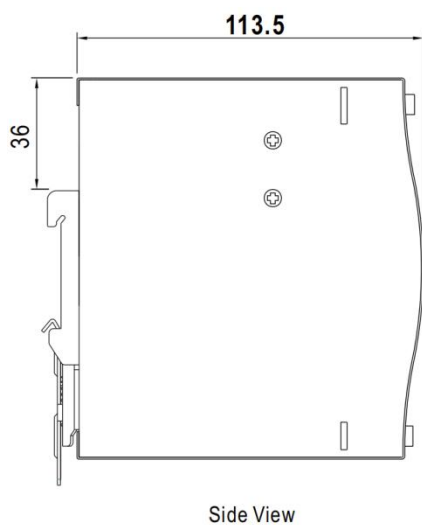
This series fits DIN rail TS35/7.5 or TS35/15.

Me

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Install DIN rail TS35/7.5 or TS35/15

Unit:mm



Terminal Pin No. Assignment(TB1)

| Pin | Function |
|-----|--------------|
| 1 | AC/L1 |
| 2 | AC/L2 or DC- |
| 3 | AC/L3 or DC+ |
| 4 | FG |

Terminal Pin No. Assignment(TB2)

| Pin | Function |
|-----|---------------------|
| 1,2 | DC OUTPUT +V |
| 3,4 | DC OUTPUT -V |
| 5,6 | DC OK Relay Contact |

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