

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

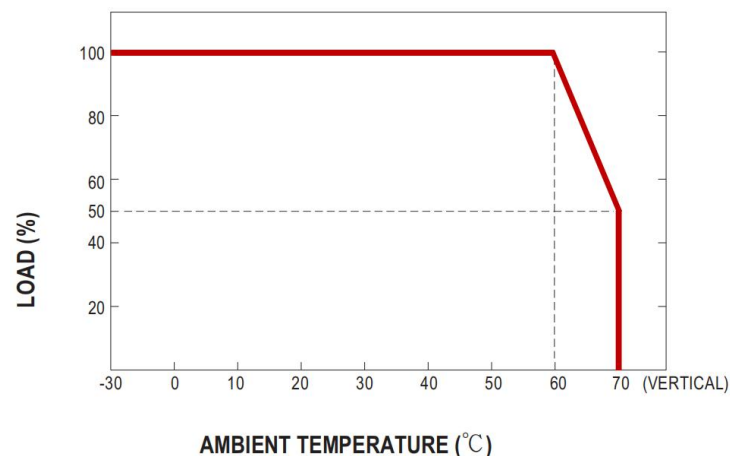
Model number	DMT-240-24	DMT-240-48
DC output	24V	48V
Rated current	10A	5A
Current range	0~10A	0~5A
Rated power	240W	240W
Ripple and noise(Max.)	100mVp-p	100mVp-p
Voltage range	24~28V	48~55V
Voltage accuracy	±1.0%	±1.0%
Linear adjustment rate	±0.5%	±0.5%
Load adjustment rate	±1.0%	±1.0%
Start /rise time	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	
PF	PF≥0.53/400VAC PF≥0.52/500VAC at full load	
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	

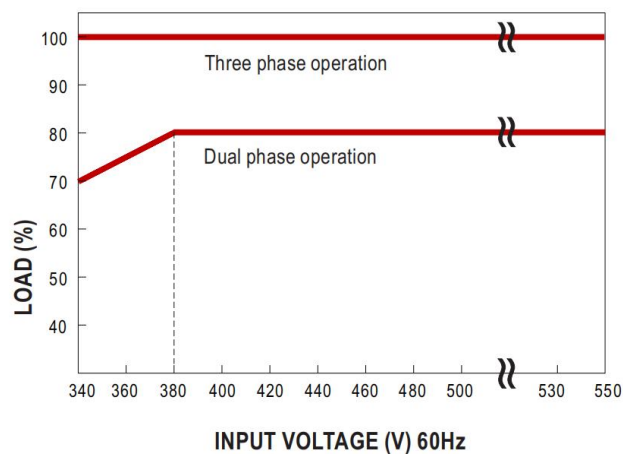
Note:

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 μ F and 47 μ F 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 $^{\circ}$ C/1000 meters, while the ambient temperature of fanless models decreases at a rate of every 5 $^{\circ}$ C/1000 meters

Derating Curve



Output Derating VS Input Voltage



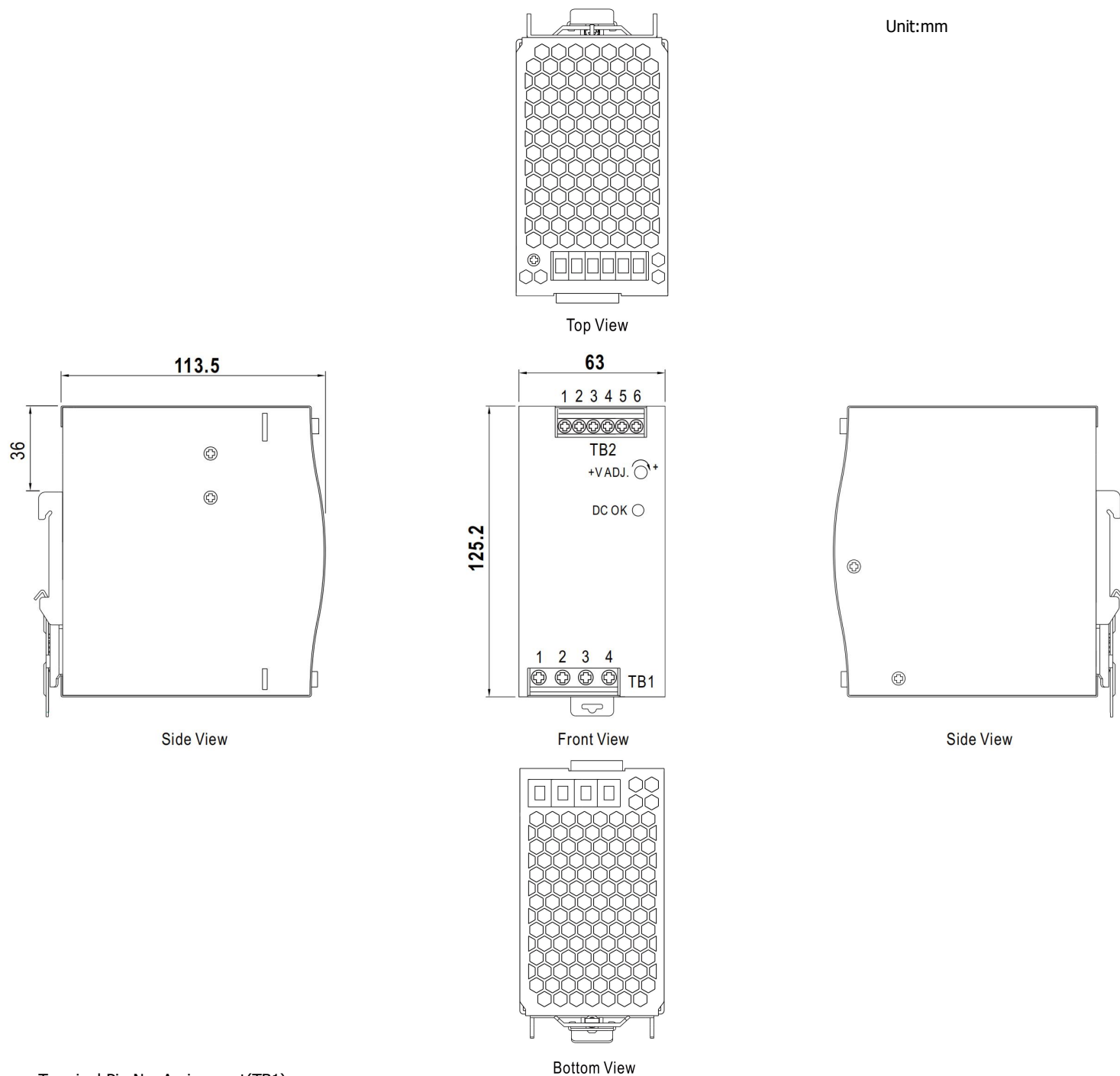
Installation Instruction



Install DIN rail TS35/7.5 or TS35/15

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

Mechanical Specification



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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