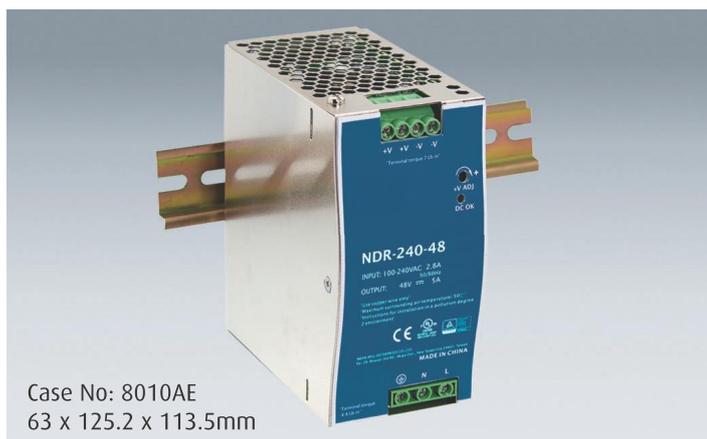


NDR-240 Series

240W Single Output Industrial DIN Rail



Case No: 8010AE
63 x 125.2 x 113.5mm

Features

- Universal AC input / Full range
- Protections: Short Circuit / Overload / Over voltage / Over Temperature
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508 (industrial control equipment) approved
- Cooling by free air convection
- Built-in active PFC Function
- EN61000-6-2 (EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 years warranty



Specification

INPUT	Voltage	90V~264VAC 127~370VDC	
	Frequency	47 ~ 63 Hz	
	Power Factor	PF>0.98/115VAC, PF>0.95/230VAC at full load	
	AC Current (Typ.)	2.5A/115VAC	1.3A/230VAC
	Inrush Current (Typ.)	20A/115VAC	35A/230VAC
	Leakage Current	<1mA/240VAC	
	Efficiency	88.5%	90%
OUTPUT	MODEL No.	NDR-240-24	NDR-240-48
	Voltage	24V	48V
	Rated Current	10A	5A
	Current Range	0~10A	0~5A
	Rated Power	240W	240W
	Ripple Noise MAX.	150Vp-p	150mVp-p
	Voltage Adjustment Range	24~28V	48~55V
	Voltage Tolerance	± 1.0%	± 1.0%
	Line Regulation	± 0.5%	± 0.5%
	Load Regulation	± 1.0%	± 1.0%
	Setup Rise Time	1500ms, 100ms/230VAC	3000ms, 100ms/115VAC at full load
	Holdup Time (Typ.)	28ms/230VAC	22ms/115VAC at full load
PROTECTION	Over Load	105~130% rated output power Protection Type: Constant current limiting, recovers automatically after fault condition is removed	
	Over Voltage	29~33V	56~65V
	Over Temperature	Shut down o/p voltage, re-powers on to recover	
ENVIRONMENT	Working Temperature	-20~+70°C (Refer to "Derating Curve")	
	Working Humidity	20~95% RH non-condensing	
	Storage Temp., Humidity	-40~ +85°C, 10~95%RH	
	Temp. Co-efficient	±0.03% / °C (0~50°C)	
SAFETY & EMC	Vibration	Component: 10~500Hz, 2G 10min./1cycle, 60 min. each along X, Y, Z axes; Mounting: compliance to IEC60068-2-6	
	Safety Standards	UL508, TUV EN60950-1 approved	
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500Vdc/25°C/70% RH	
	EMC Emission	Compliance to EN55022 (CISPR22), EN61204-3, Class B, EN61000-3-2,-3	
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A	
OTHERS	M.T.B.F.	230.2K hrs min. MIL-HDBK-217F (25°C)	
	Packaging	1Kg; 12pcs/13Kg/1.1CUFT	

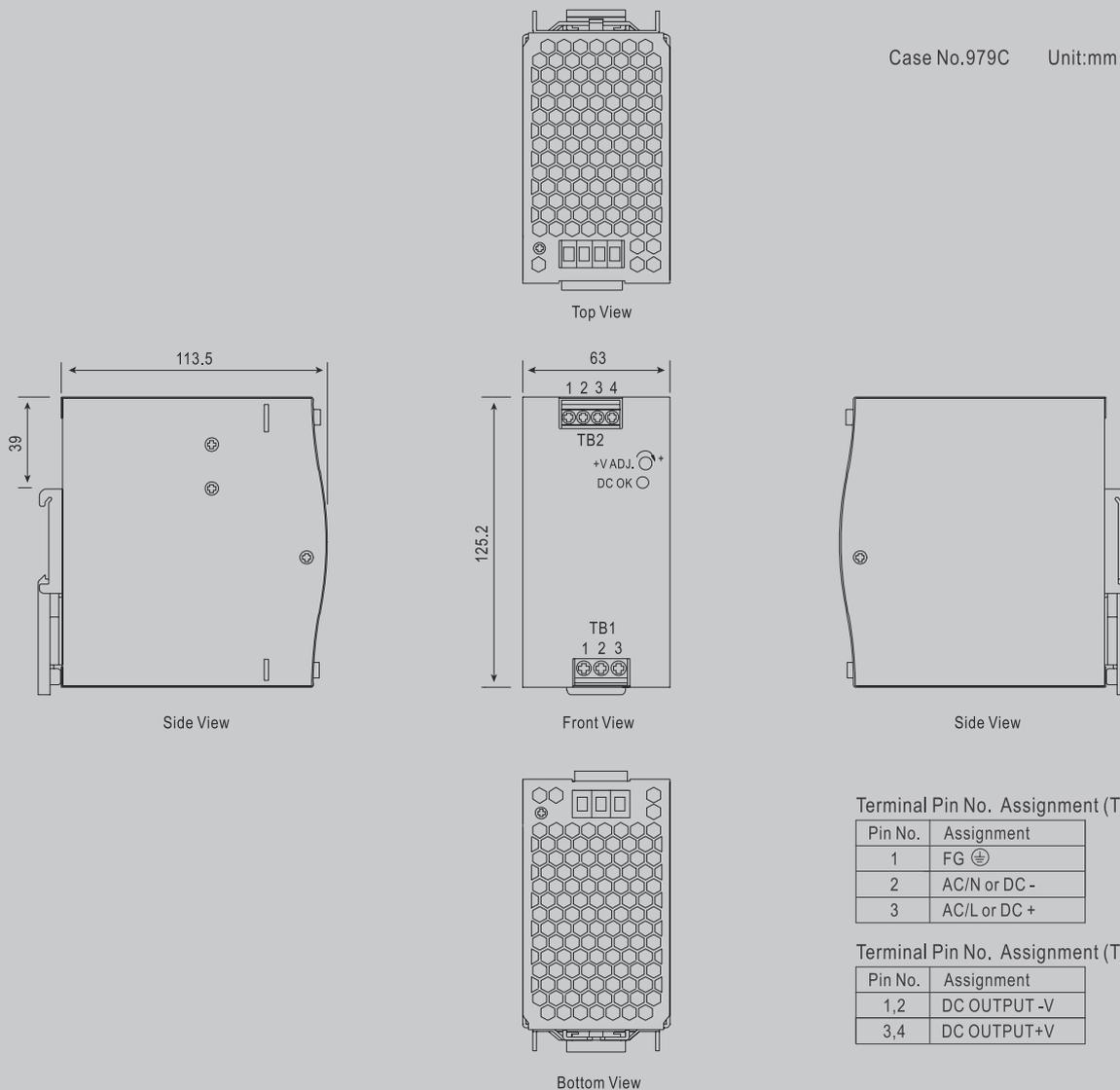
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple and noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the derating curve for more details.
5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.
6. The power supply is considered as a component which will be installed with final equipment. The final equipment must re-confirmed that it still meets EMC Directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."

NDR-240 Series

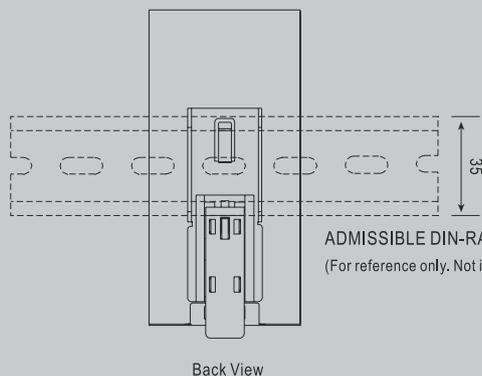
240W Single Output Industrial DIN Rail

Mechanical Specification

Case No.979C Unit:mm



Installation instruction



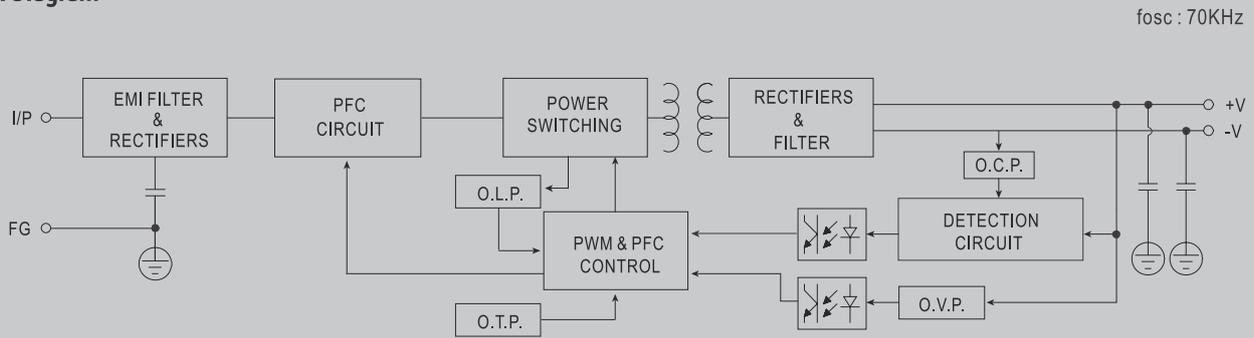
ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15
(For reference only. Not included with unit.)

This series fits DIN-RAIL TS35/7.5 or TS35/15.
For installation details, please refer to the USER MANUAL on
http://www.meanwell.com/search/NDR-240/NDR_manual.pdf

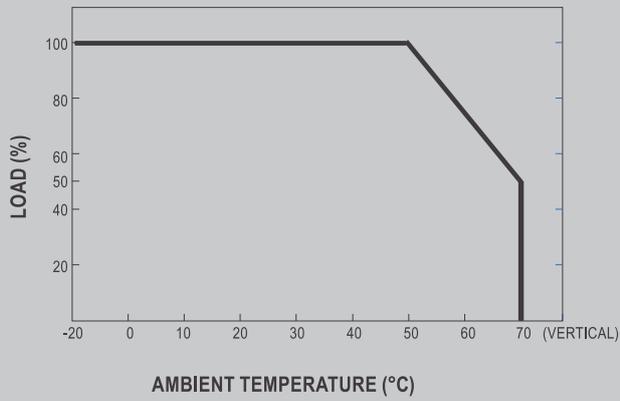
NDR-240 Series

240W Single Output Industrial DIN Rail

Block Diagram



Derating Curve



Static Characteristics

