

NDR-240-48

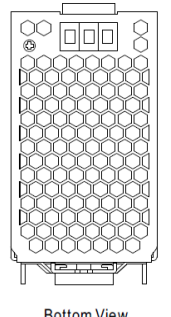
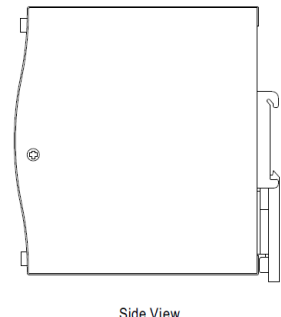
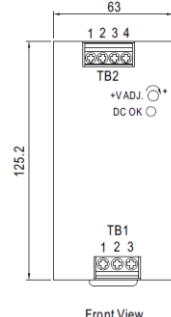
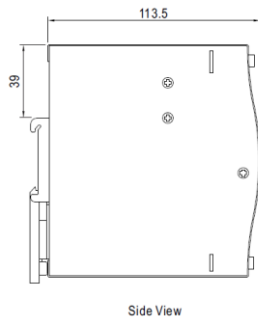
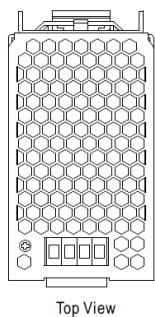
240W Single Output Industrial DIN RAIL



NDR-240-48 is one economical slim 240W Din rail power supply, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 63mm in width, which allows space saving inside the cabinets. The entire series adopts the full range AC input from 90VAC to 264VAC and conforms to EN61000-3-2, the norm the European Union regulates for harmonic current. NDR-240-48 is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 90%, the machine can operate at the ambient temperature between -20℃ and 70℃ under air convection. It is equipped with constant current mode for over-load protection, fitting various inductive or capacitive applications. The complete protection functions and relevant certificates for industrial control apparatus make NDR-240-48 a very competitive power supply solution for industrial applications.

- ▶ Universal AC input / Full range
- ▶ Built-in active PFC function
- ▶ Protections: Short circuit / overload / over voltage / over temperature
- ▶ Cooling by free air convection
- ▶ Can be installed on DIN rail TS-35/7.5 or 15
- ▶ 100% full load burn-in test

Dimension:



Technical Specifications

240W Single Output Industrial DIN RAIL

Model#
NDR-240-48

Output	
DC voltage	48V
Rated current	5A
Current range	0~5A
Rated power	240W
Ripple & noise	150mVp-p
Voltage ADJ. range	48~55V
Voltage tolerance	±1.0%
Line regulation	±0.5%
Load regulation	±1.0%
Setup, rise time	1500ms, 100ms/230VAC 3000ms, 100ms/115VAC at full load
Hold up time	28ms/230VAC 22ms/115VAC at full load

Input	
Voltage range	90~264VAC 127~370VDC
Frequency range	47~63Hz
Power factor	PF>0.98/115VAC, PF>0.95/230VAC at full load
Efficiency	90%
AC current	1.4A / 115VAC 0.6A / 230VAC 0.55A / 277VAC
Inrush current	20A/115VAC 35A/230VAC
Leakage current	<1mA / 240VAC

Protection	
Overload	105~130% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed
Over voltage	56 ~ 65V Protection type : Shut down o/p voltage, re-power on to recover
Over temperature	Shut down o/p voltage, recovers automatically after temperature goes down

Environment	
Working temperature	-20~+70℃
Working humidity	20~95% RH non-condensing
Storage temp., humidity	-40~+80℃, 10~95% RH
Temp. coefficient	±0.03%/℃ (0~50℃)
Vibration	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6

Safety & EMC	
Safety standards	UI508, TUV EN60950-1 approved (meet EN60204-1)
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℃ / 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	
MTBF	230.2K hrs min. MIL-HDBK-217F (25℃)
Dimension	63*125.2*113.5mm (W*H*D)
Packing	1Kg; 12pcs/13Kg/1.1CUFT