



FEATURES

- 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
- UL 508 (industrial control equipment) approved
- BS EN/EN61000-6-2(BS EN/EN50082-2) industrial immunity level
- 100% full load burn-in test
- 2 years warranty

APPLICATIONS

- industrial control system
- Semi-conductor fabrication equipment
- Factory automation
- Electro-mechanical

TEKLAB introduced DIN series are one economical slim Din rail power supply units, 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.

DIN series is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 90%, the entire series can operate at the ambient temperature between -20°C and 70°C 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 (UL508, TUV BS EN/EN62368-1) make NDR-240 a very competitive power supply solution for industrial applications.

TECHNICAL SPECIFICATIONS

PROTECTION	OVERLOAD	105 ~ 130% rated output power
		Protection type: Constant current limiting, recovers automatically after fault condition is removed
		Protection type: Shutdown o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shutdown o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
	VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, BIS IS13252(Part1): 2010/IEC 60950-1:2005(NOTE 8), KC K60950-1(for 48V only) approved; (meet BS EN/EN60204-1)
	WITH STAND 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 BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2, -3, EAC TP TC 020, CNS13438, KSC 9832(for 48V only)
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, EAC TP TC 020, KSC 9835(for 48V only)
OTHERS	MTBF	1645.2K hrs. min.Telcordia SR-332 (Bell core); 230.2K hrs./min. MIL-HDBK-217F (25°C)
	DIMENSION	63*125.2*113.5mm (W*H*D)
	PACKING	1Kg; 12pcs/13Kg/1.22CUFT