

Features:

Universal AC input / Full range

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

EN61000-6-2(EN50082-2) industrial immunity level

100% full load burn-in test

3 years warranty

MODEL	NDR-75-12	NDR-75-24	NDR-75-48
DC VOLTAGE	12V	24V	48V
RATED CURRENT	6.3A	3.2A	1.6A
CURRENT RANGE	0 ~ 6.3A	0 ~ 3.2A	0 ~ 1.6A
RATED POWER	75.6W	76.8W	76.8W
RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	150mVp-p
VOLTAGE ADJ. RANGE	12 ~ 14V	24 ~ 28V	48 ~ 55V
VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%
LINE REGULATION	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±1.0%	±1.0%	±1.0%
SETUP, RISE TIME	1200ms, 60ms/230VAC 2000ms, 60ms/115VAC at full load		
HOLD UP TIME (Typ.)	60ms/230VAC 12ms/115VAC at full load		

VOLTAGE RANGE Note.6	90 ~ 264VAC 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)]		
FREQUENCY RANGE	47 ~ 63Hz		
EFFICIENCY (Typ.)	85.50%	88%	89%
AC CURRENT (Typ.)	1.45A/115VAC 0.9A/230VAC		
INRUSH CURRENT (Typ.)	20A/115VAC 35A/230VAC		
LEAKAGE CURRENT	<1mA / 240VAC		
OVERLOAD	105 ~ 130% rated output power		
	Protection type : Constant current limiting, recovers automatically after fault condition is removed		
OVER VOLTAGE	14 ~ 17V	29 ~ 33V	56 ~ 65V
	Protection type : Shut down o/p voltage, re-power on to recover		
OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover		
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 STANDARDS	UL508, TUV EN62368-1, EAC TP TC 004 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°C / 70% RH		

EMC EMISSION	Compliance to EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020
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, EAC TP TC 020
MTBF	486.2K hrs min. MIL-HDBK-217F (25°C)
DIMENSION	32*125.2*102mm (W*H*D)
PACKING	0.51Kg; 28pcs/15.3Kg/1.22CUFT
NOTE	
<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>	