



PSU : EDR-75-48

EDR-75 is one economical slim 75W DIN Rail Industrial power supply series, adapt to be installed on TS-35/7. mounting rails. The body is designed 32mm in width, which allows space saving inside the cabinets. The adopts the full range AC input from 90VAC to 264VAC and conforms to EN61000-3-2, the normal the Euro regulates for harmonic current.

EDR-75 is designed with metal housing that enhances the unit's power dissipation. With working efficiency the entire series can operate at the ambient temperature between -20°C and 60°C under air convection. It with constant current mode for overload protection, fitting various inductive or capacitive applications. Th protection functions and relevant certificates for industrial control apparatus (UL508, TUV EN60950-1, and EDR-75 a very competitive power supply solution for industrial applications

Features

- Universal AC input / Full range
- Output: 48VDC / 1.6A / 75W
- Efficiency: 88.5%
- Metal case design
- Protections: Short circuit / Overload / Over voltage / Over temperature
- DC output voltage adjustable
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Operating temperature: -20°C ~ 60°C
- Safety standards: UL508, TUV EN60950-1 approved
- Dimension: 32x125.2x102mm (WxHxD)

Applications

- Industrial Control System
- Semiconductor Fabrication System
- Factory Automation
- Smart City Deployment
- Electro-Mechanical Apparatus

SPECIFICATIONS

BASIC	
MODEL	EDR-75-48
BRAND	MEANWELL
WARRANTY	2 Year
OUTPUT	
DC VOLTAGE	48V
RATED CURRENT	1.6A
CURRENT RANGE	0 ~ 1.6A
RATED POWER	76.8W
OUTPUT RIPPLE & NOISE (max.)	150mVp-p
VOLTAGE ADJ. RANGE	48 ~ 55V
VOLTAGE TOLERANCE	±1.0%
LINE REGULATION	±0.5%
LOAD REGULATION	±1.0%
SETUP, RISE TIME	1200ms, 60ms/230VAC, 2000ms, 60ms/115VAC at full load
FREQUENCY RANGE	47 ~ 63Hz
EFFICIENCY (Typ.)	88.5%
AC CURRENT (Typ.)	1.45A/115VAC 0.9A/230VAC
INPUT	
INRUSH CURRENT (Typ.)	20A/115VAC 35A/230VAC

WORKING TEMP.	-20 ~ +60°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, Mounting: Compliance to IEC60068-2-6
SAFETY & EMC (NOTE 4)	
SAFETY STANDARDS	EN 61000-3-2:2014 EN 61000-3-3:2013 EN 60950-1:2006)
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
EMC EMISSION	Compliance to EN55032 (CISPR32) Class A, EN61000-3-2,-3
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A
OTHERS	
MTBF	506.6K hrs min. MIL-HDBK-217F (25°C)
DIMENSION	32*125.2*102mm (W*H*D)
PACKING	0.51Kg; 28pcs/15.3Kg/1.22CUFT

*All specifications are subject to

