



















■ 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
- · 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
- Semiconductor fabrication equipment
- · Factory automation
- · Electro-mechanical apparatus

GTIN CODE

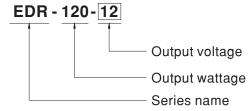
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

EDR-120 is one economical slim 120W DIN rail power supply series, adapt to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 40mm 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 BS EN/EN61000-3-2, the norm the European Union regulates for harmonic current.

EDR-120 is designed with metal housing that enhances the unit's power dissipation. With working efficiency up to 88.5%, the entire series can operate at the ambient temperature between -20 $^{\circ}$ C and 60 $^{\circ}$ 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, and etc.) make EDR-120 a very competitive power supply solution for industrial applications.

■ Model Encoding

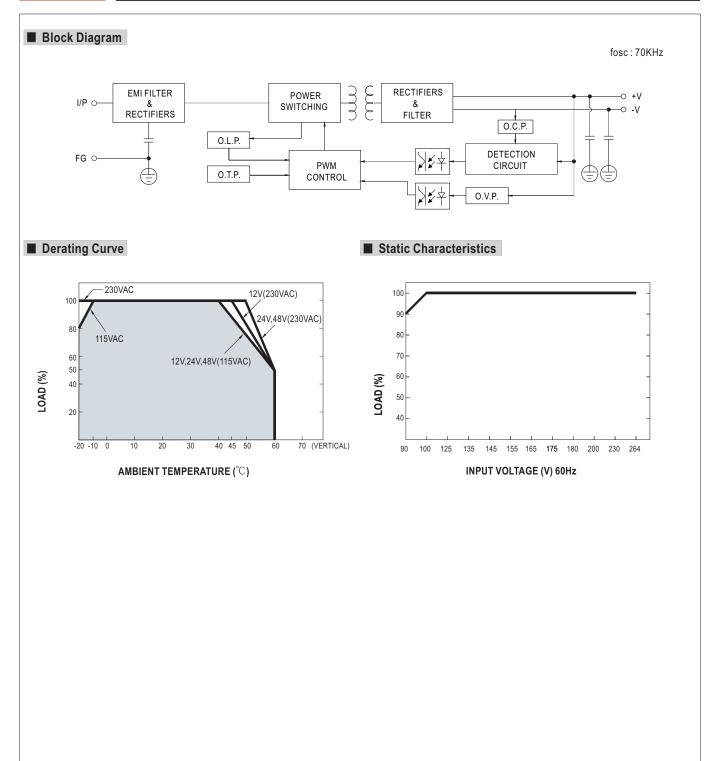




SPECIFICATION

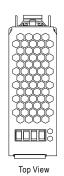
C VOLTAGE EATED CURRENT EURRENT RANGE EATED POWER	12V 10A 0~10A	24V 5A	48V
ATED CURRENT CURRENT RANGE CATED POWER	10A		101
URRENT RANGE ATED POWER			2.5A
ATED POWER	U ~ IUA	0 ~ 5A	0 ~ 2.5A
-	120W	120W	120W
IPPLE & NOISE (max.) Note.2	·	120mVp-p	150mVp-p
OLTAGE ADJ. RANGE	12 ~ 14V	24 ~ 28V	48 ~ 55V
OLTAGE TOLERANCE Note.3		±1.0%	±1.0%
			±0.5%
			±1.0%
	***		_ 1.0 /0
		[20 mpar operation possible by commonly	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
•	**	87.5%	88.5%
			10000
	20A/115VAC 35A/230VAC		
EAKAGE CURRENT	<1mA/240VAC		
OVERLOAD	105 ~ 130% rated output power		
	Protection type : Constant current limiting,	recovers automatically after fault condition is	s removed
	14 ~ 17V	29 ~ 33V	56 ~ 65V
OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover		
VER TEMPERATURE	Shut down o/p voltage, re-power on to recover		
ORKING TEMP.	-20 ~ +60 °C (Refer to "Derating Curve")		
ORKING HUMIDITY	20 ~ 95% RH non-condensing		
TORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
EMP. COEFFICIENT	±0.03%/°C (0~50°C)		
IBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
AFETY STANDARDS	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, IS13252 (Part1)/IEC60950-1 approved; (meet BS EN/EN60204-1)		
/ITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
SOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH		
MC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class A, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class A		
MC 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), heavy industry level, criteria A, EAC TP TC 020		
ITBF	2718.3K hrs min. Telcordia SR-332	2 (Bellcore); 474.7K hrs min. MIL-HE	DBK-217F (25°C)
IMENSION	40*125.2*113.5mm (W*H*D)		
ACKING	0.6Kg; 20pcs/13Kg/1.16CUFT		
2. Ripple & noise are measure 3. Tolerance : includes set up to 4. The power supply is conside EMC directives. 5. Installation clearances : 40m In case the adjacent device 6. Derating may be needed un	d at 20MHz of bandwidth by using a 12" to tolerance, line regulation and load regulation are a component which will be installed in an on top, 20mm on the bottom, 5mm on is a heat source, 15mm clearance is recorder low input voltage. Please check the de	wisted pair-wire terminated with a 0.1uf & 4 con. Into a final equipment. The final equipment of the left and right side are recommended with mmended. Interesting curve for more details.	47uf parallel capacitor. must be re-confirmed that it still meets then loaded permanently with full power.
IN O E IC C R F C N E IV IV IV IV T E III A III A IV	NE REGULATION AD REGULATION TUP, RISE TIME DLD UP TIME (Typ.) DLTAGE RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT (Typ.) RUSH CURRENT FERLOAD FER VOLTAGE FICENCY EMPERATURE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION FETY STANDARDS THSTAND VOLTAGE DLATION RESISTANCE IC EMISSION IC IMMUNITY BF MENSION CKING All parameters NOT special Ripple & noise are measure Tolerance: includes set up in the power supply is considered to the power supply is	EREGULATION	Land Land





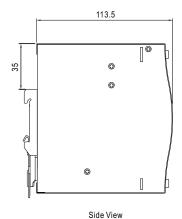


■ Mechanical Specification



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Case No.992D Unit:mm



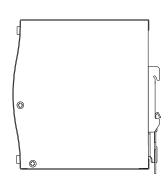
1 2 3 4

TB2

+VADJ. O+
DC OK O

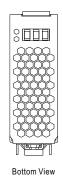
TB1

1 2 3



Front View

Side View



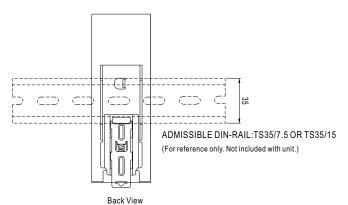
Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N or DC -
3	AC/L or DC +

Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1,2	DC OUTPUT -V
3,4	DC OUTPUT+V

■ Installation Instruction



This series fits DIN rail TS35/7.5 or TS35/15. For installation details, please refer to the Instruction manual.

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html