DRA-60-12



- Universal AC Input / Full range
- Protections: Short Circuit / Overload / Over Voltage
- Can Be Installed On DIN Rail TS-35/7.5 Or 15
- Output Voltage Adjustable Through Internal Potentiometer
- Output Current Adjustable Through External 1~10Vdc, PWM Signal Or Resistance
- Cooling By Free Air Convection
- Pass LPS
- LED Indicator For Power On
- 100% Full Load Burn-In Test
- 3 Years Warranty

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Price
Sales price without tax 30,45 €

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Manufacturer?????????????: Mean Well

Description

SPECIFICATION		
MODEL	**DRA-60-12**	
OUTPUT	**DC VOLTAGE**	12V
	CONSTANT CURRENT REGION	3 ~ 12V
	RATED CURRENT	5A
	CURRENT RANGE	0 ~ 5A
	RATED POWER	60W
	RIPPLE & NOISE (max.) Note.2	120mVp-p
	VOLTAGE ADJ. RANGE	12 ~ 15V
	VOLTAGE TOLERANCE Note.3	±1.0%

	LINE REGULATION	±0.5%
	LOAD REGULATION	±0.5%
	SETUP, RISE TIME Note.4	400ms, 90 ms/230VAC 800ms, 90 ms/115VAC at full load
	HOLD UP TIME (Typ.)	50ms/230 VAC 10ms/115 VAC at full load
INPUT	**VOLTAGE RANGE**	90 ~ 264VAC 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	85%
	AC CURRENT (Typ.)	1.3A/115V AC 0.8A/230V AC
	INRUSH CURRENT (Typ.)	COLD START 30 A/115VAC 60A/230V AC
PROTECTION	**OVERLOAD**	95 ~ 108% rated output power
		Protection type : Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	14.49 ~ 18.63V
		Protection type : Shut down o/p voltage, re-power on to recover
ENVIRONMENT	**WORKING TEMP.**	-30 ~ +70(Refer

		to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85, 10 ~ 95% RH
	TEMP. COEFFICIENT	± (0 ~ 50°C) on output
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC(Note 5)	**SAFETY STANDARDS**	UL60950-1, TUV EN60950-1 approved
	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) Class B, EN61000-3-2,-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61204-3, light industry level, criteria A
OTHERS	**MTBF**	436.4K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	40*90*100 mm (W*H*D)
	PACKING	0.3Kg; 42pcs/13.6Kg/0.82CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and	

	25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. 5. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 6. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended

DRA-60-12 Specification