



40W Single Output Industrial DIN Rail Power Supply



■ Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Class I, Div 2 Hazardous Locations T4
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty



■ GTIN CODE

MODEL		MDR-40-5	MDR-40-12	MDR-40-24	MDR-40-48
ОИТРИТ	DC VOLTAGE	5V	12V	24V	48V
	RATED CURRENT	6A	3.33A	1.7A	0.83A
	CURRENT RANGE	0 ~ 6A	0 ~ 3.33A	0 ~ 1.7A	0 ~ 0.83A
	RATED POWER	30W	40W	40.8W	39.8W
	RIPPLE & NOISE (max.) Note.2		120mVp-p	150mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	5 ~ 6V	12 ~ 15V	24 ~ 30V	48 ~ 56V
	VOLTAGE TOLERANCE Note.3		±1.0%	±1.0%	±1.0%
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
		500ms, 30ms/230VAC	500ms, 30ms/115VAC at f		_ 1.0 /0
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load			
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz	310100		
	EFFICIENCY (Typ.)	78%	86%	88%	88%
	AC CURRENT (Typ.)		/230VAC	00 /0	0076
	INRUSH CURRENT (Typ.)	COLD START 30A/115VAC 60A/230VAC			
	LEAKAGE CURRENT	<1mA / 240VAC			
PROTECTION	LEARAGE CORRENT	105 ~ 150% rated output power			
	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed			
		6.25 ~ 7.25V	15.6 ~ 18V	31.2 ~ 36V	57.6 ~ 64.8V
	OVER VOLTAGE				37.0 ~ 04.8 V
TUNCTION	DO OK OLOMAL	Protection type: Shut down o/p voltage, re-power on to recover			
FUNCTION	DC OK SIGNAL	Relay contact rating(max.): 30V/1A resistive			
ENVIRONMENT	WORKING TEMP.	-20 ~ +70 °C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing			
	WORKING HUMIDITY	0			
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C) Component: 10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6			
	VIBRATION	UL508, UL62368-1, TUV BS EN/EN62368-1, Class I, Div. 2 Group A, B, C, D Hazardous Locations T4, EAC TP TC 004,			
	SAFETY STANDARDS	DL308, DL62366-1, TOV BS EN/EN02366-1, Class 1, DIV. 2 Group A, B, C, D nazardous Locations 14, EAC 1P 1C 004, BSMI CNS14336-1, AS/NZS 60950.1 approved			
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH			
(Note 4)	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 Class B			
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, 11, BS EN/EN55024, BS EN/EN61000-6-2, BS EN/EN61204-3, heavy industry level, EAC TP TC 020			
OTHERS	MTBF	2418.5K hrs min. Telcordia SR-332 (Bellcore); 301.7K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	40*90*100mm (W*H*D)			
	PACKING	0.3Kg; 42pcs/13.6Kg/0.	82CUFT		
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is conside EMC directives. For guidant (as available on http://www. Length of set up time is me. The ambient temperature directives.	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets not on how to perform these EMC tests, please refer to "EMI testing of component power supplies." "meanwell.com") "essured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. Iderating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) "For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx			



