PS-9106
Industrial 60W, DC POWER 48V, Din-Rail w/Power Cord

Industrial 60W, DC POWER 48V, Din-Rail

FEATURES

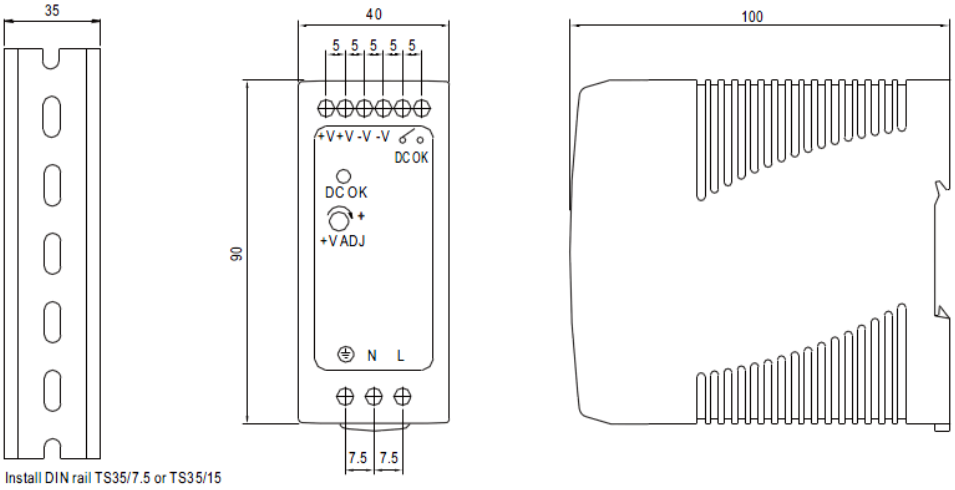
- Universal AC input/Full range
- Protections: Short circuit/ Overload/ Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Class I, Div 2 Hazardous Locations T4
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full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

SPECIFICATIONS

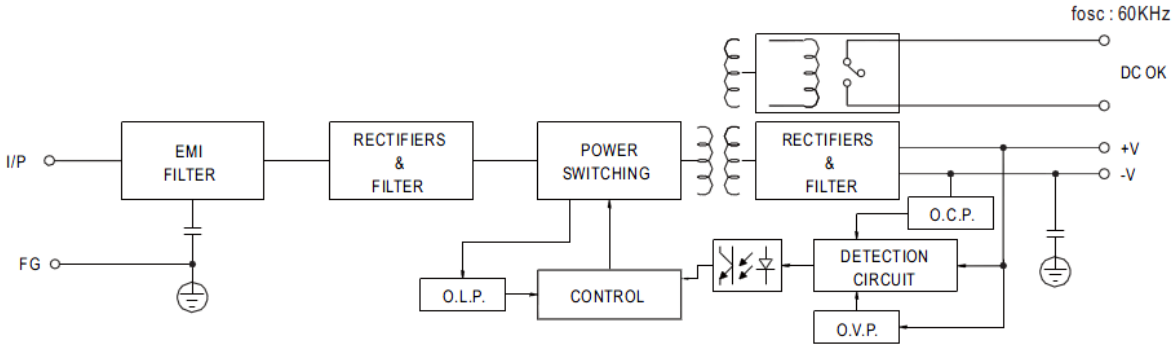
PS-9106 Industrial 60W, DC POWER 48V, Din-Rail w/Power Cord		
OUTPUT	DC VOLTAGE	48V
	RATED CURRENT	1.25A
	CURRENT RANGE	0 ~ 1.25A
	RATED POWER	60W
	RIPPLE & NOISE (max.) Note.2	200mVp-p
	VOLTAGE ADJ. RANGE	48 ~ 56V
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±1.0%
	SETUP, RISE TIME Note.5	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	87%
	AC CURRENT (Typ.)	1.8A/115VAC 1A/230VAC
	INRUSH CURRENT (Typ.)	COLD START 30A/115VAC 60A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 150% rated output power
		Protection type : Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	57.6 ~ 64.8V
		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℃ (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)
	VIBRATION	Component : 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes ; Mounting : Compliance to IEC60068-2-6
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1,Class I, Div. 2 Group A, B, C, D Hazardous Locations T4, EAC TP TC 004, BSMI CNS14336-1 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℃/ 70% RH
	EMC EMISSION	Compliance to EN55011, EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A, EAC TP TC 020
OTHERS	MTBF	299.2K hrs min. MIL-HDBK-217F (25℃)
	DIMENSION	40*90*100mm (W*H*D)
	PACKING	0.33Kg; 42pcs/14.8Kg/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. 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) 5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).	

MECHANICAL SPECIFICATION

Unit : mm



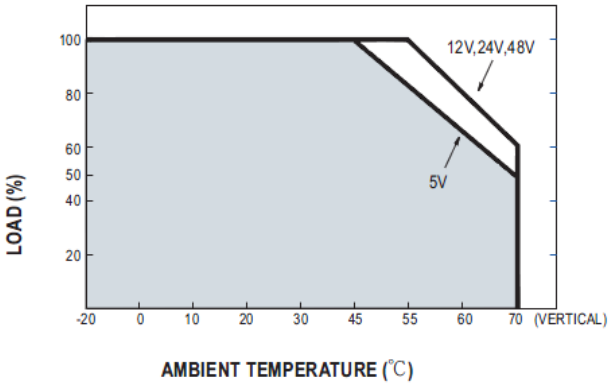
BLOCK DIAGRAM



DC OK RELAY CONTACT

Contact Close	PSU turns on / DC OK.
Contact Open	PSU turns off / DC Fail.
Contact Ratings	30V/1A resistive load.

DERATING CURVE



OUTPUT DERATING VS INPUT VOLTAGE