Pollock Industries

Compact DIN RAIL Power Supply 240W 48V Single Output

UNIT CODE

DESCRIPTION

C-SDR 240-48

240 Watt, 48 Volt, Single Output Compact DIN Rail Power Supply with PFC, **GL** and **SEMI F47** approved

SPECIFICATIONS			
Input	Output	Approvals	
Universal AC Input 88~264VAC	+48VDC @ 0 ~ 5A		

Features at a Glance:

Environmentally friendly, high reliability and quiet

High efficiency 94% and low power dissipation

Slim (63mm), Installed on DIN rail TS35 / 7.5 or 15

Working temperature ranging from -25° C~+70° C

Complies with **GL** for marine and **SEMI F47** for semi-conductor fabrication equipment

Built-in: active PFC function, PF>0.93, constant current limiting circuit & DC OK relay contact

Protections: Short circuit / Over load / Over voltage / Over temperature

LED indicator for power on

Cooling by natural (free air) convection

Certificates: UL, CUL, TUV, CE, CB, SEMI F47, GL

Safety standards: UL508 (industrial control equipment), TUV EN60950-1 approved and EN61000-6-2 (EN50082-2) industrial immunity level

MTBF hours: 169.3Khrs min. MIL-HDBK-217F (25° C)

3 year warranty

Case: 979A

Weight: 2.27 Lbs. (1.03 Kgs)

Dimensions: 2.48" W x 4.9" H x 4.46" D 63 x 125.2 x 113.5mm (W*H*D)



The compact **C-SDR 240** Series are industrial DIN rail power supplies with 94% efficiency and built-in protection: against short circuits, over loads, over voltage and over temperature. This power supply is ideal for PoE and PoE Plus applications because it provides 24 volts and 240 watts to power multiple high-power devices. With UL 508 (industrial control equipment) approval and a wide operating temperature range C-SDR-240 is reliable in even the most demanding environments. Complies with **GL** for marine and **SEMI F47** for semi-conductor fabrication equipment.

We recommend it with <u>TAC60[™] enclosure air conditioner</u> and <u>TACE[™] series enclosures</u> and in telecom, factory automation and electro-mechanical applications and any low noise (fan-less) application.



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POLLOCK INDUSTRIES

240W Single Output Industrial DIN RAIL with PFC Function

SDR-240 series



Features :

- High efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active PFC function, PF>0.93
- 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
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty



SPECIFICATION

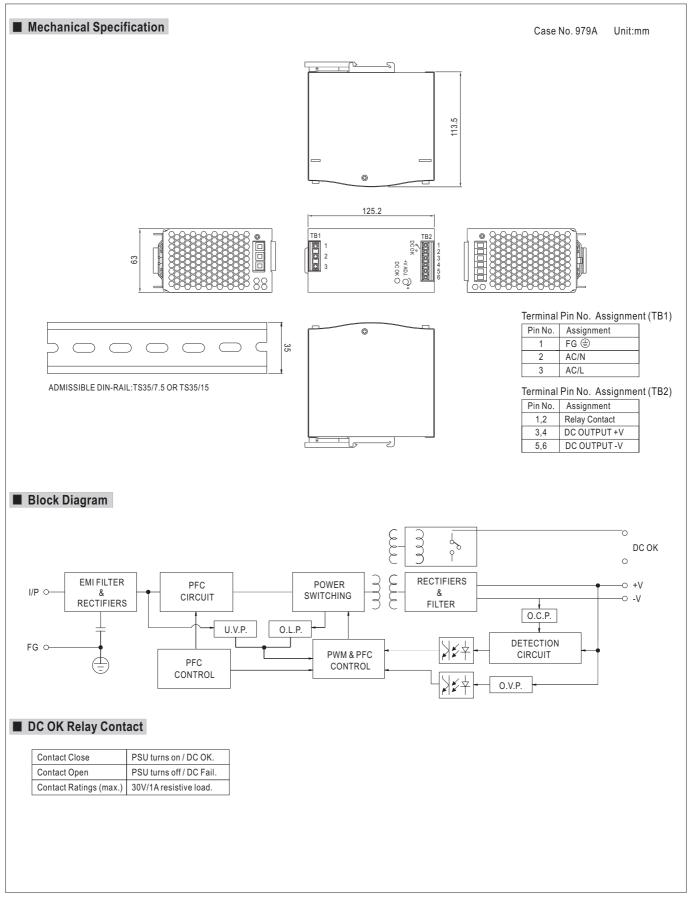
SPECIFIC					
MODEL		SDR-240-24	SDR-240-48		
	DC VOLTAGE	24V	48V		
	RATED CURRENT	10A	5A		
	CURRENT RANGE	0 ~ 10A	0~5A		
	RATED POWER	240W	240W		
	PEAK CURRENT	15A	7.5A		
	PEAK POWER Note.6	360W (3sec.)			
OUTPUT	RIPPLE & NOISE (max.) Note.2		120mVp-p		
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V		
	VOLTAGE TOLERANCE Note.3		±1.0%		
	LINE REGULATION	±0.5%	±0.5%		
	LOAD REGULATION	±1.0%	±1.0%		
	SETUP, RISE TIME	1500ms, 60ms/230VAC 3000ms, 60ms/115VAC at full load			
	HOLD UP TIME (Typ.)	20ms/230VAC 20ms/115VAC at full load			
	VOLTAGE RANGE	88 ~ 264VAC 124 ~ 370VDC			
INPUT	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	0.93/230VAC 0.99/115VAC at full load			
	EFFICIENCY (Typ.) Note.8				
	AC CURRENT (Typ.)	2.6A/115VAC 1.3A/230VAC			
	INRUSH CURRENT (Typ.)	33A/115VAC 65A/230VAC			
	LEAKAGE CURRENT	<1mA/240VAC			
	LEARAGE CORRENT		a o a constant and the matrix device of the vehicle of the sector sector.		
	OVERLOAD	Normally works within 110 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recover >150% rated power, constant current limiting with auto-recovery within 2 seconds and may cause to shut down if over 2 seconds			
		29 ~ 33V	56 ~ 65V		
PROTECTION	OVER VOLTAGE	Protection type : Shut down o/p voltage with auto-recovery	00 001		
		$95^{\circ}C \pm 5^{\circ}C$ (TSW : detect on heatsink of power switch)			
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down			
EUNCTION	DC OK REALY CONTACT RATINGS (max.)				
FUNCTION		S(max) 60 v02/0.5A, S0 v02/1A, S0 v02/0.5A resistive found Note.5 $-25 \sim +70^{\circ}$ C (Refer to "Derating Curve")			
SAFETY & EMC (Note 4)	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
		-40 ~ +85°C, 10 ~ 95% RH			
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT				
	VIBRATION	±0.03%/°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6			
	SAFETY STANDARDS	UL508, TUV EN60950-1 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC O/P-D0			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH			
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3			
		Compliance to EN5022 (GISPR22) Class B, EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A,			
	EMC IMMUNITY	SEMI F47, GL approved	5-2 (ENS0082-2), EN61204-3, heavy industry level, criteria A,		
	MTBF	169.3K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION				
	PACKING	63*125.2*113.5mm (W*H*D) 1.03Kg; 12pcs/13.4Kg/1.06CUFT			
NOTE	 All parameters NOT specia Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. Installation clearances : 40r In case the adjacent device 3 seconds max., please ref Derating may be needed un 	barameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ble & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. erance : includes set up tolerance, line regulation and load regulation. 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			



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