

SPECIFICATION



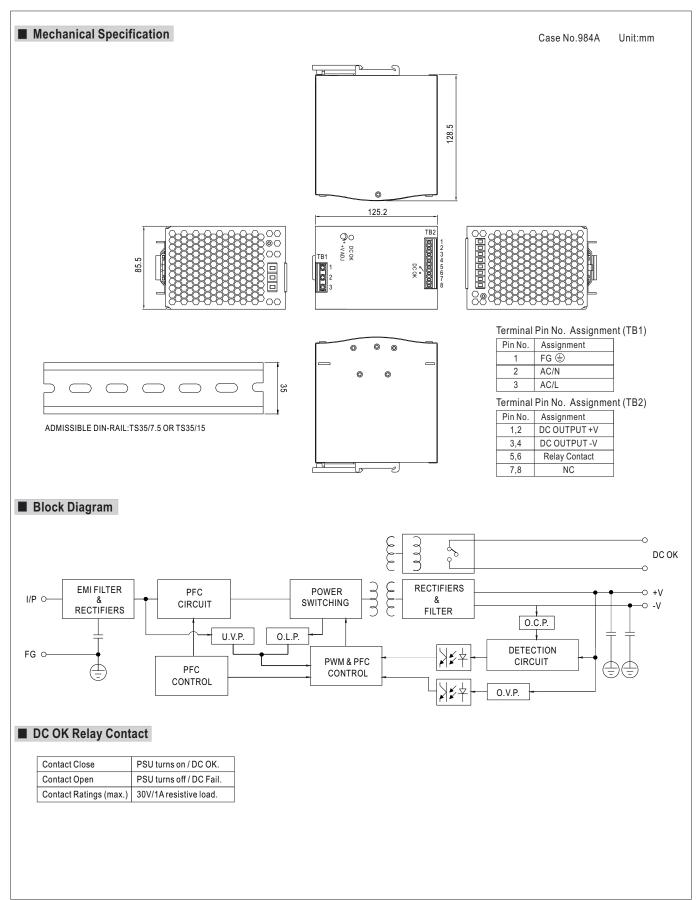
■ Features :

- High efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active PFC function, PF>0.94
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- * 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

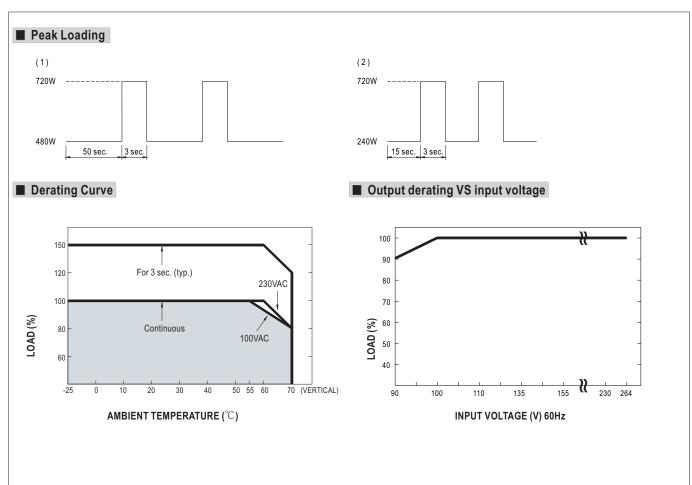


MODEL		SDR-480-24	SDR-480-48				
	DC VOLTAGE	24V	48V				
	RATED CURRENT	20A	10A				
	CURRENT RANGE	0~20A	0 ~ 10A				
	RATED POWER	480W	480W				
	PEAK CURRENT	30A	15A				
	PEAK POWER Note.6	720W (3sec.)					
OUTPUT	RIPPLE & NOISE (max.) Note.2						
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V				
	VOLTAGE TOLERANCE Note.3	±1.2%	±1.0%				
	LINE REGULATION	±0.5%	±0.5%				
	LOAD REGULATION	±1.0%	±1.0%				
	SETUP, RISE TIME	1500ms, 150ms/230VAC 3000ms, 150ms/115VAC at full load					
	HOLD UP TIME (Typ.)	14ms/230VAC at full load					
	VOLTAGE RANGE Note.7	90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	0.94/230VAC					
INPUT	EFFICIENCY (Typ.)	94%					
INFOI	AC CURRENT (Typ.)	5A/115VAC 2.5A/230VAC					
	INRUSH CURRENT (Typ.)	40A/115VAC 80A/230VAC					
	LEAKAGE CURRENT	<0.8mA / 240VAC					
	OVERLOAD	Normally works within 110 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recovery					
		>150% rated power, constant current limiting with auto-recovery within 2 seconds and may cause to shut down if over 2 seconds					
PROTECTION	OVER VOLTAGE	29 ~ 33V	56 ~ 65V				
PROTECTION		Protection type: Shut down o/p voltage with auto-recovery or re-power on to recovery					
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down					
FUNCTION	DC OK REALY CONTACT RATINGS (max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load					
1011011011	WORKING TEMP. Note.5	-25 ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
LittinoniiiLiti	TEMP. COEFFICIENT	±0.03%°C (0~50°C)					
	VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6					
	SAFETY STANDARDS	UL508, TUV EN62368-1, EAC TP TC 004 , BSMI CNS14336-1 approved ; (meet EN60204-1)					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC					
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG; O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH					
EMC (Note 4)	EMC EMISSION	Compliance to EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020, CNS13438					
		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	EAC TP TC 020, SEMI F47, GL approved					
	MTBF	112.9K hrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION	85.5*125.2*128.5mm (W*H*D)					
	PACKING	6Kq; 8pcs/13.8Kq/0.9CUFT					
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. 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. 3 seconds peak power max. and the average output power should not exceed the rate power. Derating may be needed under low input voltage. Please check the derating curve for more details. 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) 						
	File Name:SDR-480-SPEC 2019-12-13						













Declaration of Conformity

For the following equipment:									
Product Name: Din-Rail Switching Power Supply									
Model Designation: SDR-480-X (X=24,48) ; SDR-480P-X(X=24,48)									
is herewith confirmed to comply with the requirements set out in the Council Directive, the following standards were applied:									
RoHS Directive (2011/65/EU), (EU)2015/863									
Low Voltage Directive (2014/35/EU):									
EN62368-1:2014+A11		TUV	certificate No:	R50453593					
Electromagnetic Compa EMI (Electro-Magnetic Inte Conducted emission / Radia EN 55032:2015+EN 55032	erference) ated emission		2018	Class B					
Harmonic current	EN IEC 61000-3-2	2019							
Voltage flicker	EN 61000-3-3:201	3+A1:2019							
EMS (Electro-Magnetic Su	sceptibility)								
EN 55035:2017+EN 55035:	2017+A11:2020 E	N IEC 61000-6-2:	2019 EN IEC	61204-3:2018					
ESD air	EN61000-4-2:2009)	Level 3	8KV					
ESD contact	EN61000-4-2:2009		Level 2	4KV					
RF field susceptibility	EN61000-4-3:2006	+A1:2008+A2:20	10 Level 3	10V/m					
EFT bursts	EN61000-4-4:2012		Level 3	2KV/5KHz					
Surge susceptibility	EN61000-4-5:2014	+A1:2017	Level 4	2KV/Line-Line					
Surge susceptibility	EN61000-4-5:2014	+A1:2017	Level 4	4KV/Line-Earth					
Conducted susceptibility	EN61000-4-6:2014		Level 3	10V					
Magnetic field immunity	EN61000-4-8:2010		Level 4	30A/m					
Voltage dip, interruption	EN61000-4-11:2004+	A1:2017 >95% dip 0	.5 periods 30% dip 2	25 periods >95% interr	uptions 250 periods				
Note: The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete system, the final equipment manufacturers must re-qualify EMC Directive on the complete system again. For guidance on how to perform these EMC tests, please refer to TDF (Technical Documentation File).									
This Declaration is effective from serial number EC0xxxxxxx									
Person responsible for marking this declaration:									
MEAN WELL Enterprises Co., Ltd.									
(Manufacturer Name) No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan									
(Manufacturer Address)		-1		/	100				
Johnny Huang/ Manager, Certifica (Name / Position)	ation Center : Signature		Tsai/Director, Mark me / Position)	keting Department : (Signature)				
Taiwan (Place)	Nov. 5th (Date)	, 2020	_						