

240 W SINGLE OUTPUT INDUSTRIAL DIN RAIL GGM IAL24048



MAIN FEATURES

- Universal AC input / Full range
- Built-in active PFC function
- 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
- 100% full load burn-in test

APPLICATIONS

- Industrial control system
- Semi-conductor fabrication equipment Factory automation
- Electro-mechanical

PRODUCT SPECIFICATIONS

OUTPUT			
DC voltage	48 V	Over voltage	56 ~ 65 V
Rated current	5 A		Protection type : shut down o/p voltage, re-power on to recover
Current range	0 ~ 5 A	Over temperature	Shut down o/p voltage, recovers automatically after temperature goes down
Rated power	240 W	ENVIRONMENT	
Ripple & noise	150mVp-p	Working temp.	-20 ~ +70 °C (refer to «Derating Curve»)
Voltage	Adj. range: 48 ~ 55 V	Working humidity	20 ~ 95% RH non-condensing
	Tolerance: $\pm 1.0\%$	Storage temp., Humidity	-40 ~ +85 °C, 10 ~ 95% RH
Regulation	Line: $\pm 0.5\%$	Temp. Coefficient	$\pm 0.03\%/^{\circ}\text{C}$ (0 ~ 50 °C)
	Load: $\pm 1.0\%$	Vibration	Component: 10 ~ 500 Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes ;
Setup, rise time	1500 ms, 100 ms / 230 V AC 3000 ms, 100 ms / 115 V AC at full load		Mounting: compliance to IEC60068-2-6
Hold up time (typ.)	28 ms / 230 V AC 22 ms / 115 V AC at full load	SAFETY & EMC	
INPUT		Safety standards	UL508, TUV EN60950-1 approved
Voltage range	90 ~ 264 V AC / 127 ~ 370 V DC	Withstand voltage	I/P-O/P: 3KVAC - I/P-FG: 2KVAC - O/P-FG: 0.5 KVAC
Frequency range	47 ~ 63 Hz	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: >100M Ω / 500 VDC / 25 °C / 70% RH
Power factor (typ.)	PF >0.98 / 115 V AC, PF >0.95 / 230 VAC at full load	EMC emission	Compliance to EN55022 (CISPR22), EN61204-3 Class B, EN61000-3-2, -3
Efficiency (typ.)	90%	EMC immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A
Ac current (typ.)	2.5 A / 115 V AC - 1.3 A / 230 V AC	DIMENSION	
Inrush current (typ.)	20 A / 115 V AC - 35 A / 230 V AC	63x125.2x113.5 mm (WxHxD)	
Leakage current	<1 mA / 240 V AC	WARRANTY	
PROTECTION		2 years	
Overload	105 ~ 130% rated output power		
	Protection type : constant current limiting, recovers automatically after fault condition is removed		