



20W SINGLE OUTPUT INDUSTRIAL DIN RAIL POWER SUPPLY

VDI IAL2024



MAIN FEATURES

- Universal AC input/Full range
- Protections : Short circuit/Over load/Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Built in DC OK active signal
- LED indicator for power on
- 100% full load burn-in test
- No load power consumption <0.75W

PRODUCT SPECIFICATIONS

OUTPUT		PROTECTION		SAFETY & EMC	
DC voltage	24V	Overload	105 ~ 160% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed	Safety standards	UL508, TUV EN60950-1 Approved
Rated current	1A	Over voltage	27.6 ~ 32.4V Protection type : Shut down o/p voltage, re-power on to recover	Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
Current range	0 ~ 1A			Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
Rated power	24W			EMI conduction & radiation	Compliance to EN55011, EN55022 (CISPR22) Class B
Ripple & noise (max)	150mVp-p			Harmonic current	Compliance to EN61000-3-2,-3
Voltage adj. range	21.6 ~ 26.4V			EMS immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-1, EN61204-3 Light industry level, criteria A
Voltage tolerance	± 1.0%				
Line regulation	± 1.0%				
Load regulation	± 1.0%				
Setupe, rise time	500ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load				
Hold up time (Typ.)	50ms/230VAC 20ms/115VAC at full load				
		FUNCTION			
			DC Ok active signal (max.) 18 ~ 27V / 20mA		
		ENVIRONMENT			
		Working temp.	-20 ~ +70°C (Refer to output load derating curve)		
		Working humidity	20 ~ 90% RH non-condensing		
		Storage temp	-40 ~ +85°C		
		Humidity	10 ~ 95% RH		
		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		
		OTHERS			
		MTBF	236.9K hrs min MIL-HDBK-217F (25°C)		
		Dimensions	22.5*90*100mm (W*H*D)		
		Packing	0.19Kg; 72pcs/14.7Kg/0.91CUFT		
		WARRANTY			
					24 months

Note :

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 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.
5. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.

YOUR POINT OF CONTACT

