

40W SINGLE OUTPUT INDUSTRIAL DIN RAIL POWER SUPPLY VDI IAL4048



Din Rail Power supply

OUTPUT : 40W // 48DC

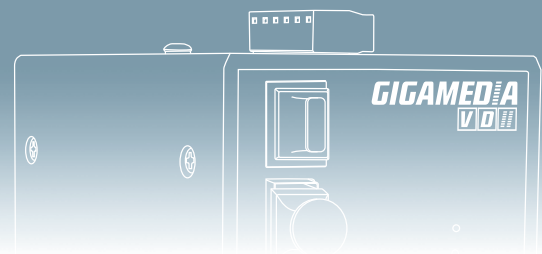
Protection Over Voltage

These power supplies are used to operate with the all VDI GIGAMEDIA range.

There are especially useful to connect 24 or 48 VDC power to your SWITCH or MEDIA CONVERTER DIN rail. Many choice are possible, these power supplies can input some voltage ranging from 100-120/220-240 VAC. And you will find a huge range of different power (Watts). These power supplies include a 1-year manufacturer's warranty.

MAIN 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
- LED indicator for power on
- DC OK Relay contact
- No load power consumption <0.75W
- 100% full load burn-in test



PRODUCT SPECIFICATIONS

OUTPUT

DC voltage	48V
Rated current	0.83A
Current range	0 ~ 0.83A
Rated power	39.8W
Ripple & noise (max)	200mVp-p
Voltage adj. range	48 ~ 56V
Voltage tolerance	± 1.0%
Line regulation	± 1.0%
Load regulation	± 1.0%
Setupe, rise time	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.)	88%
AC current (Typ.)	1.1A/115VAC 0.7A/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
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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, period for 60min. each along X, Y, Z axes ; Mounting : Compliance to IEC60068-2-6

SAFETY & EMC

Safety standards	UL508, TUV EN60950-1 Approved
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC / 25°C / 70% RH
EMI conduction & radiation	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B
Harmonic current	Compliance to EN61000-3-2, -3
EMS immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN55024, EN61000-6-2, EN61204-3 Heavy industry level, criteria A

OTHERS

MTBF	301.7K hrs min MIL-HDBK-217F (25°C)
Dimensions	40*90*100mm (W*H*D)
Packing	0.3Kg; 42pcs/13.6Kg/0.82CUFT

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 first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.

YOUR POINT OF CONTACT

