

Delivering leading edge, innovative power solutions for more than 30 years....

Model:GT-TDIN1-5000VVV

May 20, 2024

## GT-TDIN1-5000VVV

### Information

Model Number	GT-TDIN1-5000VVV
Description	GT-TDIN1-5000VVV, ICT/ITE Power Supply, DIN Rail, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 90 ~ 264VAC, 127 ~ 370VDC (47 ~ 63Hz), Terminal Block, Output Rating: 24 Watts, Power rating with convection cooling (W) , 24V in 0.1V increments, Approvals:

### Model Picture



Agency Documents	<a href="http://en.globtek.com/safety-agency-documents-pending/">http://en.globtek.com/safety-agency-documents-pending/</a>
CE EC-Declaration	<a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000FiYnbEAF">https://www.globtek.com/pdf/ec_declaration/a0Oa000000FiYnbEAF</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000FiYnbEAF">https://www.globtek.com/pdf/rohs_cert/a0Oa000000FiYnbEAF</a>
REACH Declaration	<a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>

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**MODEL PARAMETERS**

Type	DIN Rail
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	90 ~ 264VAC, 127 ~ 370VDC (47 ~ 63Hz)
I/P Amps (A)	0.4A
Wattage (W)	24.0
Vout Range (V)	24
Efficiency Level	USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782
Ingress Protection	IP20
Size (mm)	210(L)*110(W)*109.5(H)

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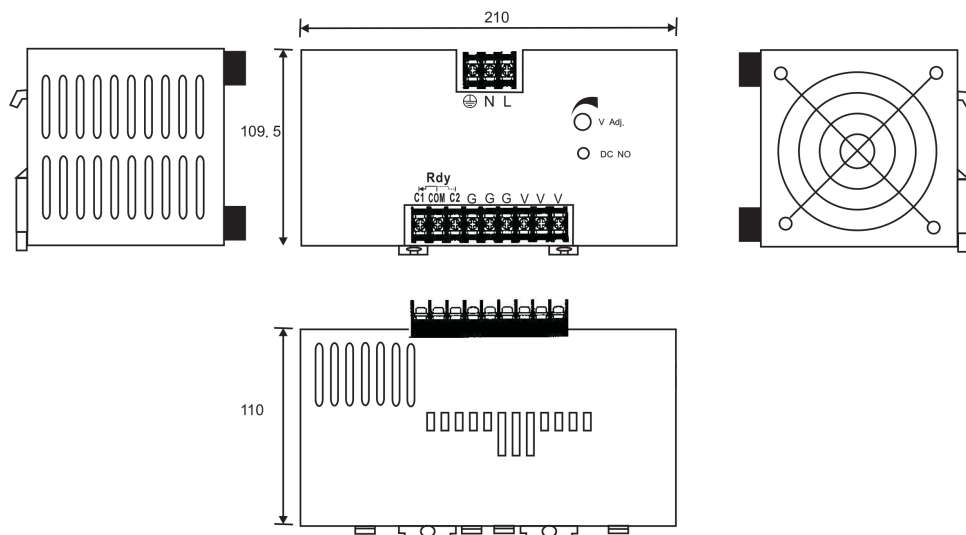
<https://www.globtek.com/ds/bUNZxugWU5f/7QSkgnXMhn9.html>

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## ENCLOSURE



### Panel Designation

CASE NO.:CS500DR  
Unit: mm  
DIMENSIONS:  
109.5(H)x210(D)x110(W)mm  
COLOR:ORIGINAL ALUMINUM  
MATERIAL: ALUMINUM

Designation	Description
N	Neutral Terminal Of AC Input ( No Polarity At DC Input )
L	Line Terminal Of AC Input ( No Polarity At DC Input )
⊕	Grounding (Earth)
COM	DC Output OK Signal 10A Contact Relay 1A Current Rating
C1	Normal Close Connection
C2	Normal Open Connection
-	DC Negative Output Terminal
+	DC Positive Output Terminal
V ADJ.	Potentiometer For Output Voltage
DC ON	Green LED Indicator

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## RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-TDIN1-500012	12 V	41.6	499.20	<a href="#">RFQ</a>

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## SPECIFICATIONS

01. Input Voltage: 90-264VAc, 127-380VDc
02. Input current: 0.4A RMS Max.
03. Input Frequency: Specified 47-63 Hz
04. Each output can provide up to maximum load, but total load can not exceed rated output power.
05. Line regulation is measured from low line to high line at rated load.
06. Load regulation is measured from 20% to 100% of rated load at 220VAC input. (Redundant function Sepc. 0.6V Add.)
07. Ripple & Noise are measured with 20MHz oscilloscope at 220VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
08. Efficiency is measured at rated load and 220VAC input.
09. Hold-up time is measured at rated load and 220VAC input.
10. Output Voltage Adjustable is measured on 5% of rated load.
11. Hold-Up Time: 10 mS at rated power
12. Power Factor: 95% Min.

### B) PROTECTION

01. Over load protection Constant current protection
02. Over voltage protection Autorecovery
03. Short protection Autorecovery

### D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature, 77,500 Hours at 45°C
02. Operating Temperature: -15°C to +50°C ambient temperature
03. Humidity: 0% to 90% relative humidity Non Condensing
04. Storage Temperature: -20°C to 85°C
05. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11363-2006

### E) ENCLOSURE

01. Size: 210\*110\*109.5 +/-1.0 mm
02. Weight: 1790 g maximum
03. Markings: Label and/or Pad Printed and/or Molded in the case

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## DERATING CURVE

N/A

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**INPUT CONFIGURATION**

<u>Description</u>	<u>Terminal Block</u>
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## Approvals

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