

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

Model:GT-TDIN0-024024

May 28, 2022

GT-TDIN0-024024

Information

Model Number	GT-TDIN0-024024
Description	GT-TDIN0-024024, 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	http://en.globtek.com/safety-agency-documents-pending/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000MmgJTEAZ
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000MmgJTEAZ
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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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)	102*35.0*45.0 +/-1.0

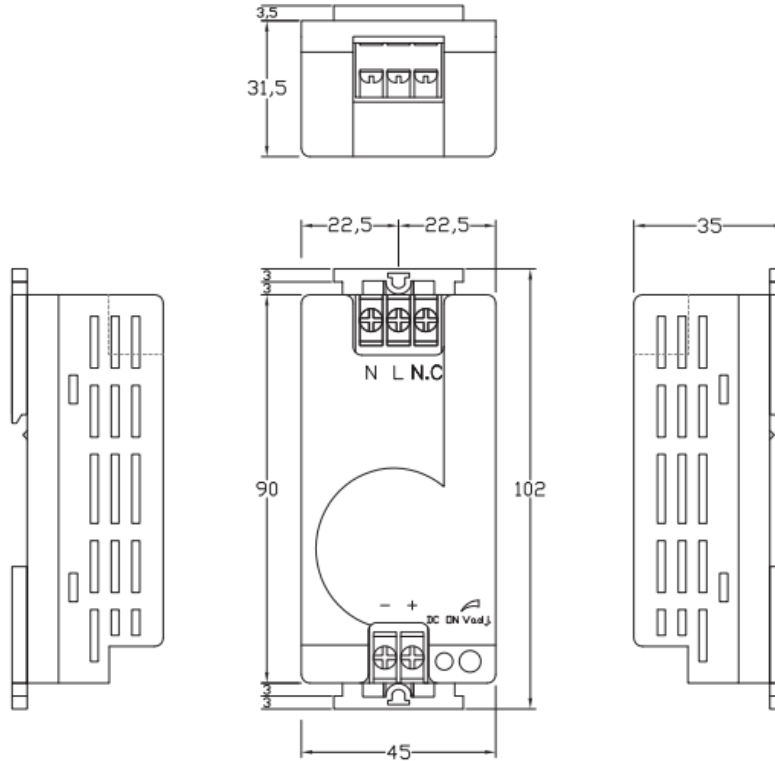
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ENCLOSURE

DIN RAIL: COMPLIANT WITH EN50022, 2 RAILS:



Panel Designation

UNIT : mm
 DIMENSION : 102(H)*35(D)*45(W)
 MATERIAL : PLASTIC
 COLOR : GRAY

Single	Description
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
L	Line Terminal Of AC Input (No Polarity At DC Input)
N.C	No connection
-	DC Negative Output Terminal
+	DC Positive Output Terminal
DC ON	Blue LED Indicator
V adj.	Potentiometer For Output Voltage

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-TDIN0-025012	12 V	2.1	25.20	RFQ
GT-TDIN0-024024	24 V	1	24.00	RFQ

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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. Output Voltage: 5-24 Vdc
05. Output current: 1-4A continuous
06. Output Power (rated): 24 Watts continuous
07. Output Load Regulation: +/- 1% measured at the output connector
08. Line Voltage Regulation: +/- 1% typical measured at O/P connector
09. Output Ripple :240 mV p-p, At 20 MHz, bandwidth with 0.1uF ceramic capacitor in parallel with 10 uF, electrolytic capacitor connected at the end of output connect nominal line
10. Turn-ON/Turn-OFF overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
11. Turn-ON Delay: 1 Second Max
12. Hold-Up Time: 13 mS at rated power (24W)
13. Efficiency: 86% measured at the full load, 220Vac Input

B) PROTECTION

01. Over load protection Automatic power limited

C) SAFETY

01. Dielectric Withstand Voltage: 1500 Vdc from primary to secondary
02. earth leakage: <3.5mA @ 90Vac input voltage
03. Ingress protection: IP20

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
06. Vibration 2G, 10~500Hz, 3 axes

E) ENCLOSURE

01. Housing: PC94-0 94-V0, Plastic material or equivalent
02. Size: 102*35.0*45.0 +/-1.0 mm
03. Weight: 117 g maximum
04. 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

Logo	
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