

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

Model:GT-93020-0624

April 27, 2024

## GT-93020-0624

### Information

|                               |                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                  | GT-93020-0624                                                                                                                                                                                                                                                                                                                          |
| Description                   | GT-93020-0624, ICT/ITE Power Supply, DIN Rail, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 16-34Vac, 50-60Hz, WAGO P/N: 734-132 (MCS-MINI SERIES 734 MALE 2 PINS), Output Rating: 6 Watts, Power rating with convection cooling (W) , 24V in 0.1V increments, Approvals: RoHS; LPS; China RoHS; Ukraine; WEEE; |
| Model Picture                 |                                                                                                                                                                                                                                                                                                                                        |
| Agency Documents              | <a href="#">Pending</a>                                                                                                                                                                                                                                                                                                                |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000FiiUFEAZ">https://www.globtek.com/pdf/ec_declaration/a0Oa000000FiiUFEAZ</a>                                                                                                                                                                                              |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000FiiUFEAZ">https://www.globtek.com/pdf/rohs_cert/a0Oa000000FiiUFEAZ</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      | 16-34Vac, 50-60Hz                                  |
| I/P Amps (A)       | 2.0A                                               |
| Wattage (W)        | 6.0                                                |
| Vout Range (V)     | 24                                                 |
| Efficiency Level   |                                                    |
| Ingress Protection | IP21                                               |
| Size (mm)          |                                                    |

**PROPRIETARY INFORMATION**

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<https://www.globtek.com/ds/5YZuXasrDP5/xx4R5zJ9f4o.html>

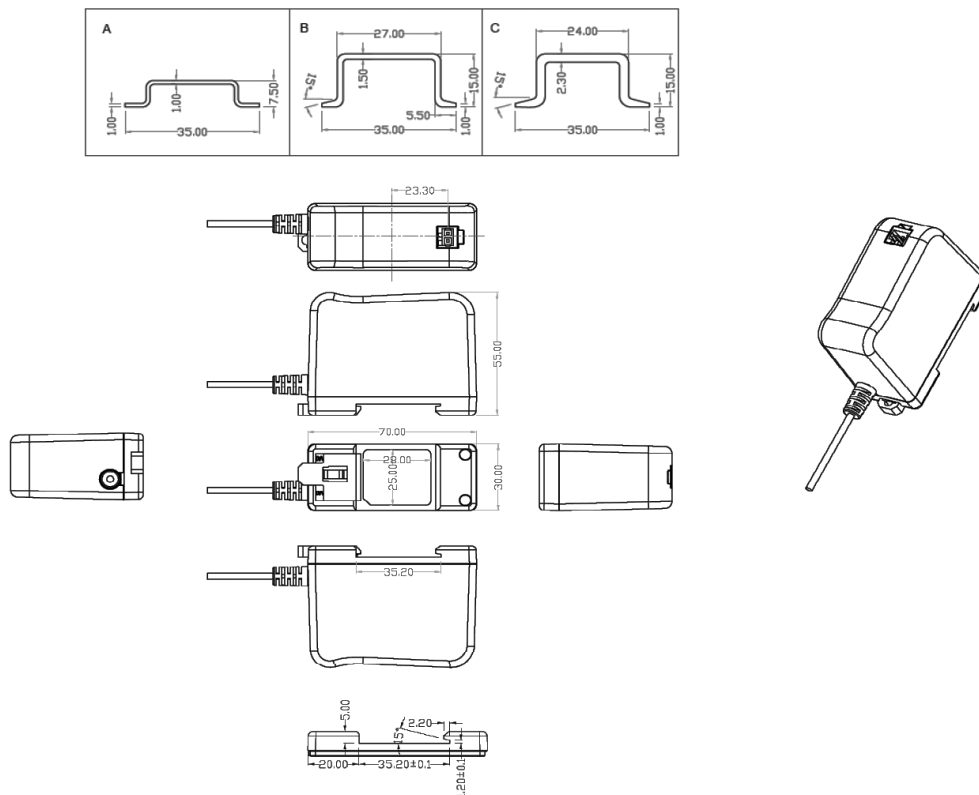
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ENCLOSURE

DIN RAIL: COMPLIANT WITH EN50022, 3 RAILS:



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## RATING TABLE

| Model Number  | Voltage | Amps(A) | Watts(W) | RFQ                 |
|---------------|---------|---------|----------|---------------------|
| GT-93020-0624 | 24 V    | 0.25    | 6.00     | <a href="#">RFQ</a> |

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## SPECIFICATIONS

01. Input Voltage: 16-34VAC
02. Input current: 2.0A RMS Max.
03. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
04. Output Voltage: 24 Vdc
05. Output current: 250 mA continuous, 1000 peak for 1mS repeating every 4 mS for the next 5 minutes
06. Output Power (rated): 6 Watts continuous, 24 Watts peak
07. Output Load Regulation: +/- 5% 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 connecat 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: 20 mS hold-up time at rated power (2.4W/100mA) acceptance criteria 'A', 40 mS hold-up time when load equals (1.3W/56mA) acceptance criteria 'A'
13. Switching Frequency: 65 KHz typical
14. Efficiency: 75% MIN, measured at the full load, 24Vac Input

### B) PROTECTION

01. Over-Voltage:protected with zener clamp across output
02. Short Circuit:protected, unit will recover upon removal of fault input line fusing

### C) SAFETY

01. Dielectric Withstand Voltage: 2000 Vdc from primary to secondary
02. earth leakage: <3.5mA @ 34Vac input voltage
03. Ingress protection: IP21

### D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature, 77,500 Hours at 45°C
02. Operating Temperature: -20°C to +65°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -30°C to 70°C
05. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11363-2006

### E) ENCLOSURE

01. Housing: PC94-0 94-V0, Plastic material or equivalent
02. Size: 70.0\*55.0\*30.0 +/-1.0 mm
03. Weight: 80 g maximum
04. Markings: Label and/or Pad Printed and/or Molded in the case

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## DERATING CURVE

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N/A

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**INPUT CONFIGURATION**

| Description | WAGO P/N: 734-132 (MCS-MINI SERIES 734 MALE 2 PINS) |
|-------------|-----------------------------------------------------|
|-------------|-----------------------------------------------------|

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## Approvals

| Logo                                                                                | Description                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | CHINA SJ/T 11364-2014, China RoHS Chart:<br><a href="http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf">http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf</a> |
|    | Indoor Use Only - Mark is on the label or Molded in the case                                                                                                                                                                                |
| LPS                                                                                 | Limited Power Source 60950                                                                                                                                                                                                                  |
| RoHS                                                                                | Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3)<br><a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>                                               |
|    | Ukraine UKRSepr (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )                                                                                 |
|  | WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/weee/index_en.htm">http://ec.europa.eu/environment/waste/weee/index_en.htm</a> )<br>Mark is on the label or Molded in the case                           |