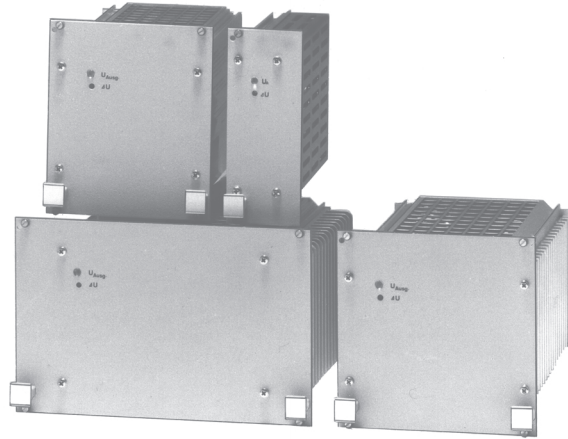


AC/DC Euro-Cassette

Made in Europe 

Single Output Primary switched Series GTN

Output power 50 – 300 W
Voltage Regulated
High efficiency
High industrial standard
Intended for 19" rack
Option: fixing for vibration applications



Input:

Input voltage (AC) 115/230 V_{AC} ±15%,
45 – 60 Hz
Input voltage (DC) 310 V_{DC} ±15%
Inrush current limiting with thermistor
Turn-on delay time ca. 500 ms

Output:

Output voltage (DC) see table
Output current see table
Hold-up time > 10 ms
Efficiency > 80 – 90 %

Regulation:

Line regulation < 0,1% U_{out}
(AC line change +10%, -15%) typ. 0,02 %
Load regulation < 0,1% U_{out}
(0 – 100% output load change) typ. 0,02 %
Dynamic response ≤ 1 ms
typ. 0,8 ms
Ripple and noise ≤ 15 mV_{rms} + 0,06% U_{out}
≤ 50 mV_{pk-pk} + 0,2% U_{out}
Temperature coefficient < 0,02 %/K

Protection:

Overload protection fold back 1,1 – 1,3 x I_{nom}
short circuit protection
Overvoltage protection output 5 V: standard
with suppressor diode
Under- and overvoltage control Option, only available with
Power fail
(not available for GTN50)

Environmental Conditions:

Operating temperature 0 – +60 °C
Cooling free air convection
Switching frequency 60 kHz

Safety:

Safety standard EN60950
Isolation input - output: 3,0 kV_{rms}
input - ground: 1,5 kV_{rms}
output - ground: 500 V_{rms}

EMC:

Input EMI filter EN50081-1
Input immunity EN50082-2

Operating and Control:

Remote sense up to 5% U_{out}
standard (int. connection)
standard
(TTL high ≙ Off)
Power fail Option
U_{Nom} TTL high
LED
Adjustment voltage ± 5%, potentiometer
front-panel access

Connectors:

Input and output H15-Connector, to DIN 41612

Physical Specifications:

Dimensions see table and drawing
Weight see table

| Voltage (V) / Current (A) | Power (W) free air convection | Model Number |
|---------------------------|----------------------------------|--------------|
| 5/10 | 50 | GTN50-5 |
| 5/15 | 100 | GTN100-5 |
| 5/25 | 200 | GTN200-5 |
| 5/40 | 300 | GTN300-5 |
| 6/8,3 | 50 | GTN50-6 |
| 6/15 | 100 | GTN100-6 |
| 6/25 | 200 | GTN200-6 |
| 6/40 | 300 | GTN300-6 |
| 12/4,2 | 50 | GTN50-12 |
| 12/8,3 | 100 | GTN100-12 |
| 12/16 | 200 | GTN200-12 |
| 12/25 | 300 | GTN300-12 |
| 15/3,3 | 50 | GTN50-15 |
| 15/6,7 | 100 | GTN100-15 |
| 15/12 | 200 | GTN200-15 |
| 15/20 | 300 | GTN300-15 |
| 18/2,8 | 50 | GTN50-18 |
| 18/5,5 | 100 | GTN100-18 |

| Voltage (V) / Current (A) | Power (W) free air convection | Model Number |
|---------------------------|----------------------------------|--------------|
| 18/11 | 200 | GTN200-18 |
| 18/16,6 | 300 | GTN300-18 |
| 24/2 | 50 | GTN50-24 |
| 24/4,2 | 100 | GTN100-24 |
| 24/8 | 200 | GTN200-24 |
| 24/12 | 300 | GTN300-24 |
| 30/1,7 | 50 | GTN50-30 |
| 30/3,3 | 100 | GTN100-30 |
| 30/6,6 | 200 | GTN200-30 |
| 30/10 | 300 | GTN300-30 |
| 48/1 | 50 | GTN50-48 |
| 48/2 | 100 | GTN100-48 |
| 48/4 | 200 | GTN200-48 |
| 48/6 | 300 | GTN300-48 |
| 60/0,8 | 50 | GTN50-60 |
| 60/1,7 | 100 | GTN100-60 |
| 60/3,5 | 200 | GTN200-60 |
| 60/5 | 300 | GTN300-60 |

Options:

- Overvoltage protection (Suppressor diode)
- Female plug H15
- 19" front-panel, colour RAL 7032
- Sub front-panel
 - colour Al anodized
 - colour RAL 7032
- other colours consult factory
- mounting bracket to assemble for stand-alone model
 - horizontal
 - vertical
- vibration-free
- GTN 100.., 200.., 300..**
- Under- and overvoltage control and Power Fail
- GTN 50..**
- Power Fail
- fixing for vibration applications

Physical Specifications (T = 5,08 mm)

| Model Number | Dimensions w x h x d (mm) | Weight (kg) | Case width (T) | Sub front-panel (T) |
|--------------|---------------------------------|----------------|-------------------|------------------------|
| GTN50 | 42 x 105 x 171,5 | 0,8 | 8 | 9 |
| GTN100 | 100,4 x 105 x 171,5 | 1,6 | 20 | 22 |
| GTN200 | 123,2 x 105 x 171,5 | 2 | 24,5 | 26 |
| GTN300 | 187,4 x 105 x 171,5 | 2,5 | 37 | 40 |

Pin Assignment

| H15-connector | GTN... |
|---------------|------------------------------------|
| z4 | - Output |
| d6 | - Output |
| z8 | - Output |
| d10 | - Sense |
| z12 | + Sense |
| d14 | + Output |
| z16 | + Output |
| d18 | + Output |
| z20 | Power Fail, Under- and overvoltage |
| d22 | Ext. on/off |
| z24 | |
| d26 | L |
| z28 | |
| d30 | N |
| z32 | ⊕ |

Dimensions in mm

