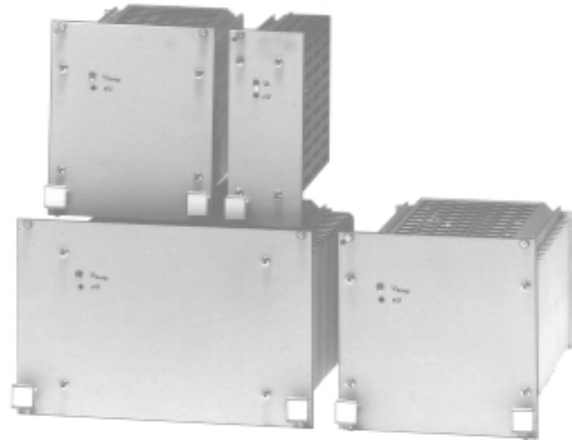


AC/DC Euro-Cassette

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



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
- GTN 100.., 200.., 300..**
 - Under- and overvoltage control and Power Fail
- GTN 50..**
 - Power Fail

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	⊕

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

Dimensions in mm

