

## AC/DC Euro-Cassette

Made in Europe 

### Single Output Primary switched Series GTL

Output power 300 and 600 Watt

Voltage Regulated

High efficiency

For Telecom Application

High industrial standard

Intended for 19" rack



#### Input:

Input voltage	230V $\pm$ 15 % 50 Hz
Inrush current limiting	with thermistor

#### Output:

Output voltage (DC)	see table
Output current	see table
Output power	see table
Efficiency	> 80 %

#### Regulation:

Line regulation	< 0,1 % $U_{out}$ typ. 0,02 %
Load regulation (10 $\div$ 90 % output load change)	static: < 1 % $U_A$ dynamic: < 5 % $U_A$
Dynamic response	< 1 ms
Ripple and noise	< 0,2 % $U_A$ (resistive)
Überlagerter Wechselstrom	< 0,5 % $I_A$
Temperature coefficient	< 0,02 % /K

#### Protection:

Overload protection	Current limit at 1,1 x $I_{Nom}$ short circuit protection at approx. $U_A + 15$ %
Overvoltage protection	signal relais
Voltage control	standard
Decoupling diode	standard
Thermal protection	shut down, auto recover

#### Environmental Conditions:

Operating temperature	0 $\div$ +50 °C
Cooling	free air convection
Switching frequency	300 W: 80 kHz 600 W: 50 kHz

#### Safety:

Safety standard	EN60950
Isolation	input - output: 3,0 kV <sub>rms</sub> input - ground: 1,5 kV <sub>rms</sub> output - ground: 700 V <sub>rms</sub>

#### EMC:

Input EMI filter	EN50081-1, EN55011
Input immunity	EN50082-1, EN55022

#### Operating and Control:

Parallel operation	units with same $U_A$ with additional ext. connection current sharing up to 5 % $U_{Out}$ standard
Remote sense	LED green: At $I_A > 5$ % $I_{Nom}$ LED green: Power on ( $U_A$ present) LED red: Error ( $U_A$ not present)
Adjustment signals	LED green: Power on ( $U_A$ present) LED red: Error ( $U_A$ not present)
Adjustment	voltage $\pm$ 10 %, potentiometer front-panel access

#### Connectors:

Input and output	H15-Connector, to DIN 41612
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#### Physical Specifications:

Dimensions	see table
Weight	300 W: 2,2 kg 600 W: 3,5 kg

Decoupling diode - Parallel operation

Voltage (V) / Current (A)	Power (W) free air convection	Model Number
24/12	300	GTL24/12
24/20	480	GTL24/20
48/6	300	GTL48/6
48/12	600	GTL48/12
60/5	300	GTL60/5
60/10	600	GTL60/10

**Options:**

- Female plug H15
- 19" front-panel, colour RAL 7032
- Sub front-panel
  - colour Al anodized
  - colour RAL 7032
- mounting brackets to assemble for stand-alone model
  - horizontal
  - vertical

**Pin Assignment**

H15- connector	GTL...
z4	- Sense
d6	+ Sense
z8	+ Output
d10	+ Output
z12	- Output
d14	- Output
z16	Current Share
d18	Relais 11
z20	Relais 14 (n/o contact)
d22	Relais 12 (n/o contact)
z24	
d26	L
z28	
d30	N
z32	⊕

**Physical Specifications** (T = 5,08 mm)

Output- power (W)	Dimensions H x D	Case width (T)	sub front panel (T)
300	3 HE x 171,5 mm	31	33
600	3 HE x 231,5 mm	41	42