

Technical specification

PULSE GAC-616 DALI

Input

- Nominal: 220-240 Vac $\pm 10\%$ 50/60Hz.
- Terminal block 0,5 mm² cables, double insulated BLU, single isolated BROWN for L-N inputs
- Max Input Current: 0,20A.
- Power factor λ_{max} : 0.97.
- Harmonic content of mains current: according to EN 61000-3-2.
- Inrush current: 5A 50uS.

Output

- SELV insulation on output.
- Terminal block, up to 1 x 0,4...0,8 mm²
- Selection of current and voltage output through Dip switch.
- Max output power and current precision @ 220-240Vac:

14,0W @ 325mA $\pm 6\%$ (20...44V)
15,5W @ 350mA $\pm 6\%$ (20...44V)
16,5W @ 375mA $\pm 6\%$ (20...44V)
17,5W @ 400mA $\pm 6\%$ (20...44V)
18,5W @ 425mA $\pm 6\%$ (20...44V)
19,5W @ 450mA $\pm 6\%$ (20...44V)
21,0W @ 475mA $\pm 6\%$ (20...44V)
22,0W @ 500mA $\pm 5\%$ (20...44V)
23,0W @ 525mA $\pm 5\%$ (20...44V)
24,0W @ 550mA $\pm 5\%$ (20...44V)
25,0W @ 575mA $\pm 5\%$ (20...44V)
26,5W @ 600mA $\pm 5\%$ (20...44V)
27,5W @ 625mA $\pm 5\%$ (20...44V)
28,5W @ 650mA $\pm 5\%$ (20...44V)
29,5W @ 675mA $\pm 5\%$ (20...44V)
31,0W @ 700mA $\pm 5\%$ (20...44V)

- Max. Output voltage: 59VDC.
- Efficiency @full load: 86%.

Dimming

- AM/PWM controlled by DALI signal.
Minimum dimming level 1%.
AM dimming from 100% to 25% load.
PWM dimming from 25% to 1% load

Protections

- Against input overvoltages from mains (according to EN61547) up to 2KV N-L , 4KV N-GND e 4KV L-GND.
- Against short circuit and open circuit.
- Thermal protection (C.5.e from EN 61347-1).

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Emi

- According to EN55015.

Ambient

- Tc on C15 = 75°C. (PCB)
- Tc life 50000H on C15 = 75°C.
- Case IP20
- Ta = 0...35°C
- TC = max 85°C

Safety

- Hi-pot test: 3.75 kV, 100% for 2 sec.

Standards

- EN 61347-1; EN 61347-2-13; EN 61547; EN 55015; EN 61000-3-2; DIN VDE 0710 teil 14.
- KEMA KEUR; ENEC 05.

Dimensions

- L=263mm; W=32mm; H = 43mm.

Output current table:

DIP-SWITCH	1	2	3	4
325 mA	-	-	-	-
350 mA	-	-	-	ON
375 mA	-	-	ON	-
400 mA	-	-	ON	ON
425 mA	-	ON	-	-
450 mA	-	ON	-	ON
475 mA	-	ON	ON	-
500 mA	-	ON	ON	ON
525 mA	ON	-	-	-
550 mA	ON	-	-	ON
575 mA	ON	-	ON	-
600 mA	ON	-	ON	ON
625 mA	ON	ON	-	-
650 mA	ON	ON	-	ON
675 mA	ON	ON	ON	-
700 mA	ON	ON	ON	ON

Technical dimensions:

