

Lumidriver LED LC dimmer (code 3036241)



SELV

MULTICURRENT-MULTIVOLTAGE DIMMABLE (trailing and leading edge) ELECTRONIC DRIVER FOR POWER LED AND LED MODULES.

Lumidriver LED LC dimmer is a multicurrent and multivoltage LED power supplier selectable by DIP SWITCH. It incorporates a dimmer controllable by normal open push button. Moreover can be dimmed by phase cutting dimmer.

DIP SWITCH position	1	2	3	4	5	6
17 W 350 mA	-	-	-	-	-	-
24 W 500 mA	ON	-	-	-	-	-
25 W 550 mA	-	ON	-	-	-	-
32 W 700 mA	ON	ON	-	-	-	-
32 W 750 mA	-	ON	ON	-	-	-
10 W 12 V	ON	ON	ON	ON	-	-
20 W 24 V	ON	ON	ON	-	ON	-
22 W 28 V	ON	ON	ON	-	-	ON

JUMPER in JP1 = phase cutting dimmer mode (trailing and leading edge dimmer) NO JUMPER in JP1 = push button mode

INPUT

- Nominal: 230/240 Vac $-10/+10\%$ 50 Hz;
- Double Terminal block for up to 0,5...2,5 mm².
Second terminal block to loop other 16 units (I_{max} = 3 A);
- Clamping screws for cables with diameter Ø 1,5...6 mm;
- Max. input current: 0,16 A;
- Power factor λ: 0,95 C;
- Harmonic content of mains current: according to EN 61000-3-2.

OUTPUT

- SELV insulation on output.
- Terminal block for up to 1 x 0,5...2,5 mm²;
- Strain relief for cables with diameter Ø 1,5...7 mm;
- Selection of current and voltage output through DIP SWITCH (See table);
- Max. output power and current precision @ 230/240 Vac:
 - 32 W @ 700 mA ± 5% (2...46 V);
 - 24 W @ 500 mA ± 5% (2...47 V);
 - 17 W @ 350 mA ± 6% (2...47 V);
 - 32 W @ 900 mA ± 5% (2...35 V);
 - 32 W @ 750 mA ± 5% (2...47 V);
 - 25 W @ 550 mA ± 5% (2...47 V);
 - 22 W @ 28 V ± 5% (900 mA max);
 - 20 W @ 24,5 V ± 5% (900 mA max);
 - 10 W @ 12 V ± 6% (900 mA max).
- Max. output voltage: 53 VDC;
- Possibility of switch on the LED on secondary side;
- Efficiency @ full load: 0,89%; DIM 50% = 0,87%;
- Consumption without load: 1,2 W.

DIMMING

- PWM controlled by phase cutting dimmer (trailing and leading edge) or by normal open push button;
- Terminal block on primary side for push button; connection between phase and terminal block (impedance 170 Kohm);
- Dimming level memory at mains restore (push button mode);

- Header for other power supplier synchronization in push button mode (1 master + 9 slaves max).

PROTECTIONS

- Against input overvoltages from mains (according to EN 61547);
- Against short circuit and open circuit;
- Thermal and overload protection (C.5.a EN 61347-1).

EMI

- According to EN 55015.

AMBIENT

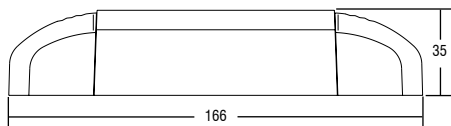
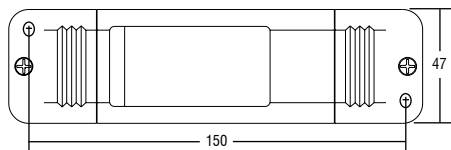
- Ambient temperature: -20...50°C;
- tc: 80°C;
- tc life 50000H: 80°C.

SAFETY

- Hi-pot test: 3,75 kV, 100% for 2 seconds.

STANDARDS

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



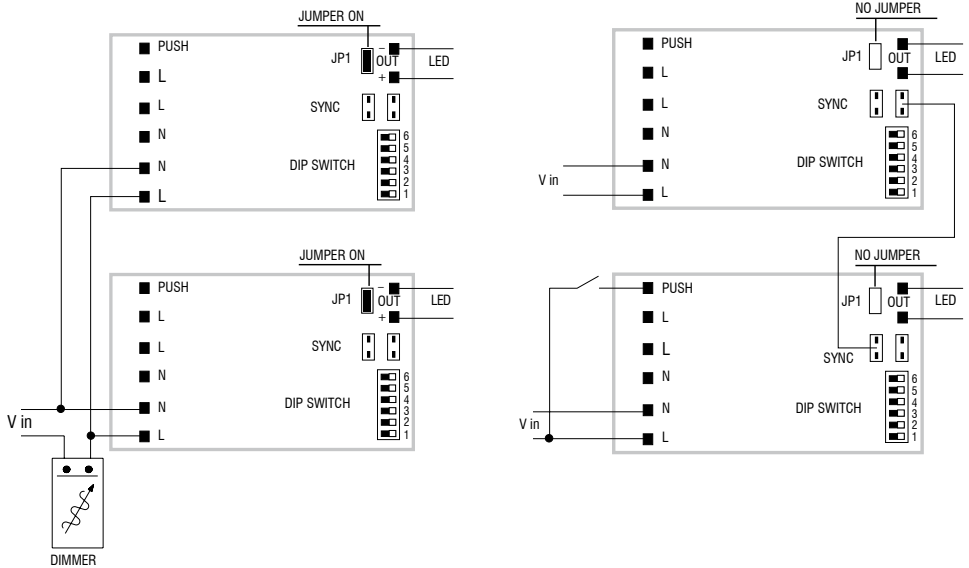
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Phase cutting dimmer wiring (IGBT-TRIAC)



SELV

Push button mode wiring



Warning:

This power supplier is compatible with the majority of the dimmer of the most important leader of the market. To ensure a proper operation the load power must be greater than the minimum load of the dimmer. However in most of cases a good operation is possible with load greater than 10W regardless the minimum power of the dimmer.

WARRANTY: our products are guaranteed for 24 months from the date of manufacture. Our warranty covers all manufacturing defects. Our warranty does not cover defects and/or damages due to improper use or not conforming to the operating and installation instructions. The warranty will be invalidated if the products are opened or tampered with. **Note:** according to the regulations in force, the Manufacturer reserves the right to make technical and dimensional changes to improve product characteristics and performance without prior notice.



Directive UE 2002/96/EC (WEEE) - INFORMATION FOR USERS - THIS PRODUCT CONFORMS WITH EU DIRECTIVE 2002/96/EC.

It carries the symbol of the crossed-out waste bin, which means that once its useful life is over it must be treated separately from other domestic waste: it must be taken to a recycling centre for electrical and electronic equipment, or taken back to a retailer and left there when a new equivalent device is purchased. The user is responsible, when the device is to be disposed of, for taking it to the appropriate collection point. Proper differentiated collection is necessary so that the obsolete device can be sent on for environmental friendly recycling, treatment and dismantling, in order to avoid any possible negative environmental impact or health risk and to allow the materials of which it is made to be re-used. More detailed information about available systems for collection may be obtained from the local waste disposal services, or from the shop from which the device was purchased.