

ledix

Surface mounting
power supply
12 V DC / 15 W



ZNN-15-12

IP56 IP protection level: protection against dust and strong jets of water - it is required to carry out an IP connection with a degree not less than IP56



Outdoor mounting



Surface mounting



12 V DC output voltage

ZNN-15-12 power supply is a professional impulse power supply with 12 V DC voltage stabilizer. It is designed for surface mounting. The nominal power output is 15 W. The power supply is recommended to supply the devices belonging to the LEDIX group (controllers, radio receivers) and other LED diode products supplied with 12 V DC. The product has a short-circuit and overload protections, which increase the safety of its use. Its high efficiency and a very low power consumption in the standby mode, makes it a very economical solution, designed for continuous operation. The power supply meets the requirements of the harmonized standards.

Characteristic features:

- 12 V DC nominal output voltage, 15 W nominal power,
- low power consumption in the standby mode (0,25 W),
- efficiency at the level of 79%,
- high stability of the output voltage with input voltage or load changes,
- protections: short-circuit, overload,
- wide ambient temperature range: -10 ÷ +50 °C,
- long-term operation reliability,
- output connecting cables 150 mm long.

The power supply cooperates with:

- LED standard products supplied with 12 V DC,
- LED controllers and radio receivers supplied with 10÷14 V DC.

CAUTION: The total power of lighting fittings or of the devices cooperating with the power supply must not exceed 15 W.

A detailed mounting instruction is in the packaging

zaMeL cet

230 V AC



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Surface mounting
power supply



12 V DC
15 W

ZNN-15-12

zaMeL cet

Cet Lighting Sp. z o.o.

PL 43-200 Pszczyna

ul. Zielona 27, Poland

tel: +48 32 449 15 00, fax: +48 32 449 15 02

e-mail: ledix@ledix.pl, www.ledix.pl

230 V AC / 15 W IP56

weight: 143 g

PN-EN 61204-3; PN-EN 55022; PN-EN 61000



The symbol means selective collecting of electrical and electronic equipment. It is forbidden to put the used equipment together with other waste.

LED diode power supply for surface mounting

12 V DC 15 W

TYPE: ZNN-15-12



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Declaration of Conformity is on www.ledix.pl

ZNN-15-12 ENG Ver. 01

www.ledix.pl

DESCRIPTION

ZNN-15-12 power supply for surface mounting is a professional impulse power supply with 12 V DC voltage stabilizer. It is designed for surface mounting. The nominal power output is 15 W. The power supply is recommended to supply the devices belonging to the LEDIX group (controllers, radio receivers) and other LED diode products supplied with 12 V DC. The product has a short-circuit and overload protections, which increase the safety of its use. Its high efficiency and a very low power consumption in the standby mode, makes it a very economical solution, designed for continuous operation. The power supply meets the requirements of the harmonized standards. Features:

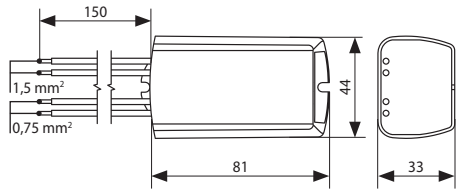
- 12 V DC nominal output voltage, 15 W nominal power,
- low power consumption in the standby mode (0,25 W),
- efficiency at the level of 79%,
- high stability of the output voltage with input voltage or load changes,
- protections: short-circuit, overload,
- wide ambient temperature range: $-10 \div +50 \text{ }^{\circ}\text{C}$,
- long-term operation reliability,
- output connecting cables 150 mm long.

TECHNICAL DATA

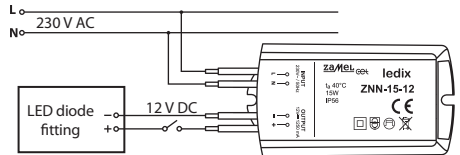
Nominal output voltage:	12 V DC
Nominal output current:	1,25 A
Nominal output power:	15 W
Output voltage tolerance:	5%
Output voltage ripples:	80 mV _{pp}
Output voltage time increase:	10 ms
Output voltage time adjustment:	20 ms
Nominal input voltage:	230 V AC
Input voltage tolerance:	$-10 \div +15\%$
Nominal frequency:	50 Hz
Efficiency:	$79 \div 80\%$
Power consumption (standby):	0,25 W
Starting current:	20 A
Protections:	short-circuit, overload
Ambient temperature range:	$-10 \div +50 \text{ }^{\circ}\text{C}$
Mounting:	surface
Casing protection degree:	IP56*
Protection class:	II
Dimensions:	44 x 81 x 33 mm
Weight:	143 g
Reference standard:	PN-EN 61204-3; PN-EN 55022; PN-EN 61000

* refers to the fitting - in order to keep the protection degree it is required to carry out an IP connection with a degree of not less than IP56

DIMENSIONS



DIAGRAM



MOUNTING

CAUTION ! The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions.

1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch- disconnector combined to the proper circuit.
2. Check if there is no voltage on connection cables by means of a special measure equipment.
3. Connect the output cables in accordance with the connection diagram.
4. Mount the ZNN-15-12 device in a proper place.
5. Switch on the power supply from the mains.

- The power supply should be installed in a place that allows good heat release.
- When connecting fittings or devices to ZNN-15-12 power supply pay attention to a correct polarity of the output cables.
- Total power capacity can not exceed the nominal power of the power supply.