



F&F Filipowski sp. j.
Konstantynowska 79/81, 95-200 Pabianice, POLAND
phone/fax (+48 42) 215 23 83 / (+48 42) 227 09 71
www.fif.com.pl; e-mail: biuro@fif.com.pl

ZI-61-12

Pulse power supply



5190831215997531

Do not dispose of this device in the trash along with other waste!

According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.



Purpose

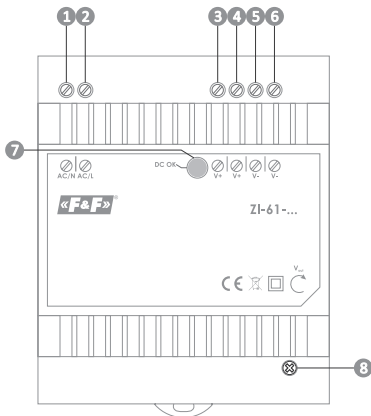
The ZI-61-12 pulse power supply is designed for supplying electrical and electronic devices with average power consumption that require a stable, filtered supply voltage independent of the mains voltage changes. The power supply can be used to power low voltage LED lamps.

Protection

- » short circuit – in case of overload or short circuit, the output voltage is automatically disconnected. The power supply unit cyclically attempts to switch on the power supply and the rated supply voltage is restored when the cause of the protection tripping is resolved;
- » overvoltage – if the voltage at the output of the power supply is too high, the output voltage is cut off. The device returns to normal operation after the power supply is switched off and back on;

- » thermal – if the temperature inside the power supply unit is too high it will cause it to shut down; when the temperature drops to a safe value, the output voltage will be restored.

Description of terminals

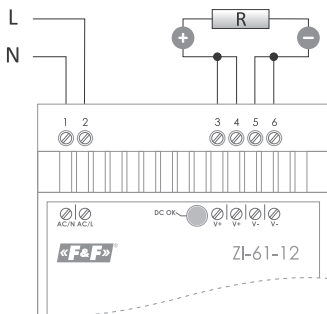


- 1 230 V AC power supply input – N
- 2 230 V AC power supply input – L
- 3, 4 DC power supply output – V+
- 5, 6 DC power supply output – V-
- 7 signalling switching on the power supply
- 8 output voltage adjustment

Technical data

input voltage	180÷264 V AC
output voltage	12 V DC
output current	5 A
output power	60 W
efficiency	87%
inrush current	40 A (230 V AC)
leakage current	1mA (230 V AC)
stabilisation of the output voltage	
at the change of the output voltage	±1%
at the change of the output current	±1%
voltage regulation range	10.8÷13.8 V
ripple and noise	240 mV p-p
overload	120÷180% I _{out}
overvoltage protection threshold	18÷23 V
thermal protection threshold	135÷165°C
terminal	2.5 mm ² screw terminals
tightening torque	0.4 Nm
working temperature	-20÷50°C
dimensions	4.5 module (78 mm)
weight	270 g
mounting	on TH-35 rail
ingress protection	IP20

Wiring diagram



Warranty

F&F products are covered by a 24-month warranty from the date of purchase. The warranty is only valid with proof of purchase. Contact your dealer or contact us directly.

CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE.

The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at www.fif.com.pl from the product subpage.