

SWITCHING POWER SUPPLIES

IZSI 121 SERIES TH35 BUS POWER SUPPLY

- **Wide range of input voltages:**
A - 87V–260V AC; 90V–350V DC
- **Power output: 12W**
- **1-output power supply**
- **3-year guarantee**
- **Control and security systems**
- **High efficiency**
- **Full voltaic separation**



IZSI 121 – series Switching Power Supplies are power supplies in IEG-D PXOENIX CONTACT casings, designed to be installed on TH35 bus, with the maximum power output of 12W, with the standard supply voltage ranges of 87V – 260V AC and 90V – 350V DC. It is designed for application in measuring apparatus, industrial instrumentation and control equipment, telecommunications and also in microprocessor-based systems.

TECHNICAL DATA

Input

Input voltage	A: 87V to 260V AC / 350V DC
Input frequency range	40Hz to 440Hz
Interference emission level	to EN 55022

Output

Stabilisation of U_{input} variations	$\leq 0.3\%$
Stabilisation of I_{load} variations	$\leq 0.3\%$
Temperature coefficient	0.04%/°C
Power output at 50°C	12W
Pulsating voltage	$U_t \leq 100mV_{pp}$ $U_{trms} \leq 10mV$

General

Modulation frequency	$f_p \leq 100kHz$
Modulation mode:	Flyback pulse width modulation OFF-LINE
Hold time 50%/Un/Pmax	$t_p \geq 30ms$
Efficiency (dependant on U_{output})	70÷88%
Dimensions	90 x 17,5 x 72 mm
Insulation strength	to EN 60850
Operating temperature	-10°C to +55°C
Relative humidity without condensation	5% to 95%

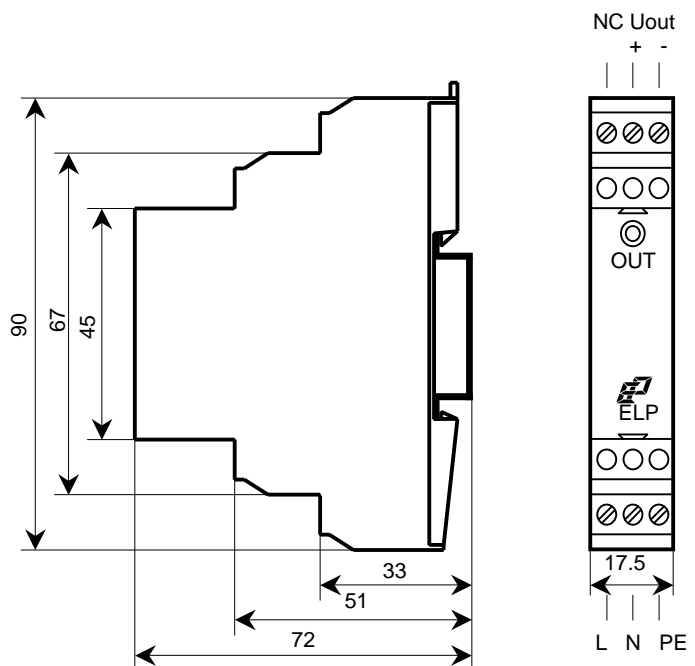
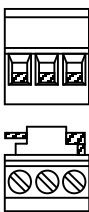
The construction satisfies the safety and electromagnetic compatibility requirements of the relevant EC standards.

MODEL	OUTPUT V_{nom}/I_{max}
IZSI 121-05	5V/2A
IZSI 121-12	12V/1A
IZSI 121-24	24V/0.5A

Other options are available on request.

Input connector:
MKDSO 2.5/ 3 PHOENIX CONTACT

Output connector:
MKDSO 2.5/ 3 PHOENIX CONTACT



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