

# SWITCHING POWER SUPPLIES

## IZSA 301, 302, 303 SERIES

TH35 BUS POWER SUPPLY

- **Wide range of input voltages AC or DC:**  
87V–260V AC; 90V–350V DC
- **Power output: 30W**
- **1, 2 or 3-output power supply**
- **3-year guarantee**
- **Control and security systems**
- **High efficiency**
- **Full voltaic separation**



IZSA 301, 302, 303 – series Switching Power Supplies are power supplies in ABS casings, to be installed on a TH35 bus, with the maximum power output of 10W, with the standard supply voltage ranging from 87V AC to 260V AC or from 90V DC to 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	87V to 260V AC 90V to 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	30W
Pulsating voltage	$U_t \leq 100mV_{pp}$ $U_{trms} \leq 10mV$

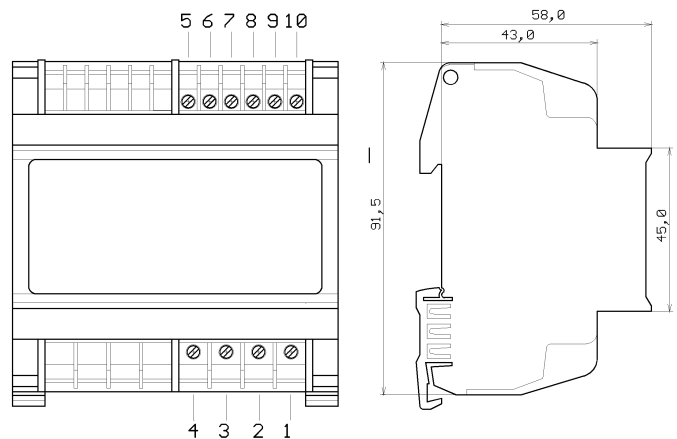
#### General

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	88 x 91,5 x 58 mm
Insulation strength	to EN 60950
Operating temperature	-10°C to +55°C
Relative humidity without condensation	5% to 95%

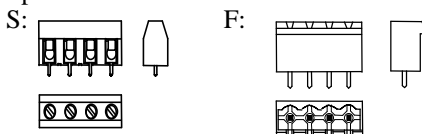
The construction satisfies the safety and electromagnetic compatibility requirements of the relevant EC standards.

MODEL	OUTPUTS		
	Output1 $V_{nom}/I_{max}$	Output2 $V_{nom}/I_{max}$	Output3 $V_{nom}/I_{max}$
IZSA 301-05	5V/6A		
IZSA 301-12	12V/2.5A		
IZSA 301-24	24V/1.5A		
IZSA 302-0524	5V/3A	24V/0.5A	
IZSA 302-1205	12V/2A	5V/1A	
IZSA 302-2412	24V/1A	12V/0.5A	
IZSA 303-051212	5V/4A	12V/0.25A	12V/0.25A

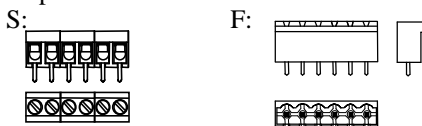
Other options are available on request.



Input connector



Output connector



#### Description of the terminals

IZSA 301		IZSA 302		IZSA 303	
1	- NC	1	- NC	1	- NC
2	- GROUND	2	- GROUND	2	- GROUND
3	- NEUTRAL	3	- NEUTRAL	3	- NEUTRAL
4	- LINE AC lub DC	4	- LINE AC lub DC	4	- LINE AC lub DC
5,7,9	- GND	7,8	- +Uout1	6/5	- +Uout1/GND1
6,8,10	- +Uout	5,6	- GND1	8/7	- +Uout2/GND2
		10	- +Uout2	10/9	- +Uout3/GND3
		9	- GND2		



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