

Technical data sheet

SMPS IZM 51-2/A

Manufacturer: ELPLAST

Series: IZM 51-2/A

Switched-mode plug power supply

Custom made

Vast range of AC or DC input voltages:

87 VAC-260 VAC, 90 VDC-350 VDC

Output power : max. 5 W

Single output voltage

3 years of guarantee

Control and safety systems

High efficiency

Full galvanic separation



IZM 51-2/A are switched-mode power supplies, of maximum output power up to 5W, with universal power supply voltage in range from 87 VAC to 260 VAC or from 90 VDC to 350 VDC. The power supply is incorporated in a plug housing CP-Z-13A/B, black colour with one supply cable with a 5,5/2,1 plug, optionally LEMO-1 contact. It has turn-on (black) and turn-off *red) buttons and an output current limiter adjustment. SMPS is equipped with supply voltage loss control system (POWER FAIL), output current limiter and OVP. It is intended for use in laser aperture.

Technical data	
Input voltage	87 VAC to 260 VAC, 90 VDC to 350 VDC
Input voltage frequency range	40Hz to 440Hz
Interference emissions level	EN 55022 level B
Output	
Stabilization from changes U_{we}	$\leq 0,3\%$
Stabilization from changes I_{obc}	$\leq 0,3\%$
Temperature co-efficient	0,04%/°C
Output power	Tot. 50 °C 5 W
Output voltage ripple	$U_t \leq 100 \text{ mV}_{pp}$ $U_{trms} \leq 10 \text{ mV}$
General	
Processing frequency	$f_p \leq 100 \text{ kHz}$
Type of processing	PFM - Flyback
Back-up time	50% U_n/P_{max} $t_p \geq 5 \text{ ms}$
Efficiency	70-80%
Dimensions	71,3x48x44,5
Insulation resistance	Input – output 8 mm, input-ground 4 mm
Operating temperature	(-10°C)-(+55°C)
Construction compliant with the requirements of the European Union in the scope of safety standards and electromagnetic compatibility.	

MODEL	Output $V_{nom}/I_{min}/I_{max}$
IZM 51-2/A-3,5	3.5V/0.02A/1A
IZM 51-2/A-5	5V/0.02A/1A
IZM 51-2/A-9	9V/0.02A/1A

