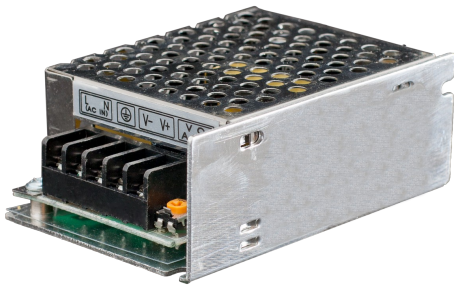


# MS-25-12 series

25W Enclosed Switching Power Supply



## ■ Features:

- European AC input
- Protections: Short circuit / Overload / Over temperature
- Cooling by free air convection
- LED indicator for power on



## ELECTRICAL SPECIFICATION

MODEL	MS-25-12
<b>OUTPUT</b>	
Rated Voltage	12V
Rated Current	2.1A
Power Range	0 ÷ 25W
Rated Power	25.2W
Voltage Adjustment Range	11 ÷ 13.2V
Line Regulation	± 0.5%
Load Regulation	± 0.5%
Tolerance	[2] ± 1%
Ripple & Noise (max.)	[3] 100mV <sub>p-p</sub>
Setup, Rise	[4] 300ms, 50ms
Holdup time	30ms / 230VAC
<b>INPUT</b>	
Voltage Range	180 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efficiency (typ.)	76%
AC current (typ.)	0.35A / 230VAC
Leakage current	<0.75mA / 230VAC(25°C)
Inrush current (max.)	30A / 230VAC(25°C)
<b>PROTECTIONS</b>	
Overload	Range: 105 ÷ 150%
	Type: hiccup mode. Recovers automatically after fault condition is removed.
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.
Over Temperature	Range: 110°C ± 10°C
	Type: shut down output voltage. Auto-recovery after temperature goes down.

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	-10°C ÷ 50°C
<b>Working Humidity</b>	20 ÷ 90% RH non-condensing
<b>Storage Temperature and Humidity</b>	-20°C ÷ 85°C, 10 ÷ 95% RH non-condensing

## SAFETY AND EMC REGULATIONS

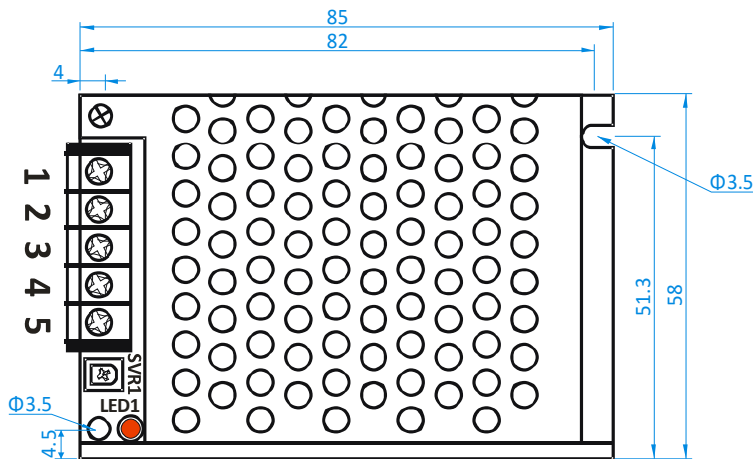
<b>Safety Standards</b>	Compliance to EN60950-1
<b>Withstand Voltage</b>	I/P-O/P: 3kVAC; I/P-FG: 1.5kVAC; O/P-FG:0.5kVAC
<b>EMC Emission</b>	Compliance to EN55022
<b>EMC Immunity</b>	Compliance to EN61000-4-2, -4, -5, -11

## OTHERS

<b>Dimensions</b>	85 x 58 x 32mm (L x W x H)
<b>Weight and Packing</b>	0.18kg; 100szt./ctn; ctn weight and dimensions: 42 x 34 x 20cm; 19.5kg

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Tolerance includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

## SPECYFIKACJA MECHANICZNA



ASSIGNMENT			
Pin No.	Assignment	Pin No.	Assignment
1	Input: AC/L	4	Output: -V
2	Input: AC/N	5	Output: +V
3	Input: GND	SVR1	U <sub>OUT</sub> adjustment
		LED1	LED indicator for power ON

