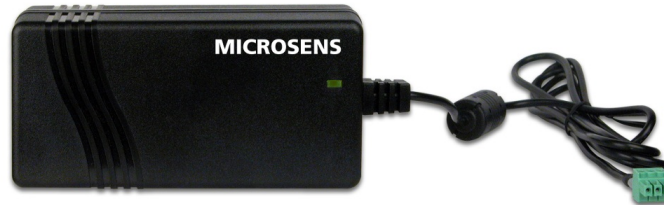


## Product Overview

### Compact 48 VDC Power Supply for Medical Applications



## Description

For the use in medical applications MICROSENS offers a new power supply with Power-over-Ethernet functionality according IEEE802.3af. With its extreme small dimensions the power supply can provide up to 65 W at 48 V DC. The high efficiency minimizes the dissipation loss and additional the device has an excellent over voltage and overload protection. The new power supply is a compact solution to be installed into cable trunks, sub-floor systems or wall boxes. As an accessory there are different mounting kits available.

## Properties

- Approved for medical use acc. to DIN EN 60601-1-1
- High efficiency of min. 80%
- Output voltage 48 V DC
- High output power 65W
- Fully controlled and protected output
- Compact power supply, low weight
- 3-pin universal input connector according IEC320 (C14)
- Input voltage 90 - 264 VAC
- Touch proof 48 Volt connector according VDE
- EMB/HF filter for interference suppression according EN55022-B, FCC Part 15 Class B, CISPR22-B
- No-load operation protection: no minimum load required
- Overload protection: at 105 - 125% of the nominal output power
- Over voltage protection

# Specifications

## General

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**Type** Switching power supply for  
MICROSENS  
Power-over-Ethernet devices

## Mechanical

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**Dimensions** 133 x 58 x 34 mm (w x d x h)

**Weight** 150g

**Housing Color** black

## Power Supply (DC)

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**Output (DC)** Nominal voltage 48 VDC  
Output current 1.35 A  
Nominal power 65 W (70 W  
Peak)  
Ripple 300 mV

**Connector** DC screw terminal

## Standards Compliance

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## Power Supply (AC)

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**Input Voltage** Nominal voltage 90 - 264 VAC  
Input frequency (AC) 47-63 Hz

**Connector** 3-pin universal input according  
IEC320 (C14)

**Efficiency** 80% (full load at 230 VAC,  
25°C)

## Reliability

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**MTBF** > 100.000 h (at 25°C according  
IEC-1709)

## Environment

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**Operating  
Temperature** Operating: 0 °C to +40 °C

**Storage  
Temperature** Storage: -40 °C to +85 °C

**Relative  
Humidity** up to 95 % non condensing

## Order Information

### Description

### Article Number

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Switching power supply 48V/1.35A 65W for Power-over-Ethernet devices

**MS700680**

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