

## **AC/DC CURRENT CONVERTER**

**MS9007**



**TECHNICAL DESCRIPTION AND INSTRUCTION FOR USAGE**

**PLOVDIV 2005**

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## I. DESCRIPTION

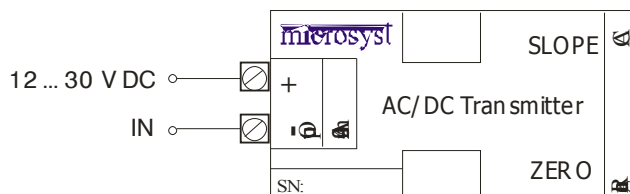
The converter MS9007 of MICROSYST is a galvanically isolated converter of the effective value of alternating current with industrial frequency (or higher – as it is ordered) in direct current  $4 \div 20\text{mA}$  by two-wire scheme of switching on. Its basic advantage is that it is not necessary to interrupt the measured current circuit.

The converter MS9007 finds application for collecting of information for charging of the aggregates in the distributed measuring and controlling systems.

## II. TECHNICAL DATA

Nominal range of the input current	$0 \div 5\text{A AC}$ , $0 \div 10\text{A AC}$ or $0 \div 20\text{A AC}$ Other – as it is ordered
Equivalent input resistance	$< 0.05 \Omega$
Frequency of the input signal	$4 \div 400 \text{ Hz}$
Output signal	$4 \div 20\text{mA}$ two-wire switching on
Basic error	$< 0.5\%$ of the range
Power supply	$12 \div 30 \text{ V DC}$
Galvanically separated input / output	1500 V
Electric connection	Terminals in the case
Degree of protection	IP 45
Operating temperature of the converter	$-40 \div 85 \text{ }^\circ\text{C}$
Installation	connecting bolts and rails
Overall dimensions	40 x 25 x 70 mm
Weight	max 50 g

## III. SCHEME OF SWITCHING ON OF THE CONVERTER



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