

# Analogue Frequency Converter

AD-AF 100 GS  
AF-AF 100 GB  
AD-AF 100 EV

## Description:

The Analogue frequency changer converts the input signal into a proportional frequency. A subsequent impulse divisor reduces the impulse sequence down to the required output frequency. The isolated output contacts allow the use of different counters or printers.

## Application:

Counting of quantities where the momentary values exist as analogue signals. Consumption measurement of energy, gas, heat etc.

## Technical data:

Power supply: GS: broad-range power supply 20-253 VDC and 50-253 VAC  
GB/EV: 230V  $\pm 10\%$  (50-60Hz) alternative 20-30 VDC

Power consumption: ca. 2,5 VA or 2W

Input:(\*) Current or voltage

Input resistance: 50 Ohm at 20 mA  
100 kOhm at 10 V

Output:(\*) Frequency proportional to the input signal; adjusted relay: min. 0-5 Imp/h, max. 0-2 Hz  
open collector: max. 0-10 kHz

Output contact: construction GS: 2 changer  
construction GB: 1 changer/1 normally open contact  
construction EV: 2 changer  
optional: transistor output

Max. output switching power: relay: 250 V, 50 Hz, 2A, 100 VA  
transistor: 30 V, 50 mA, 1,5 W

Contact time: ca. 200 ms

Linearity: < 0,5 %

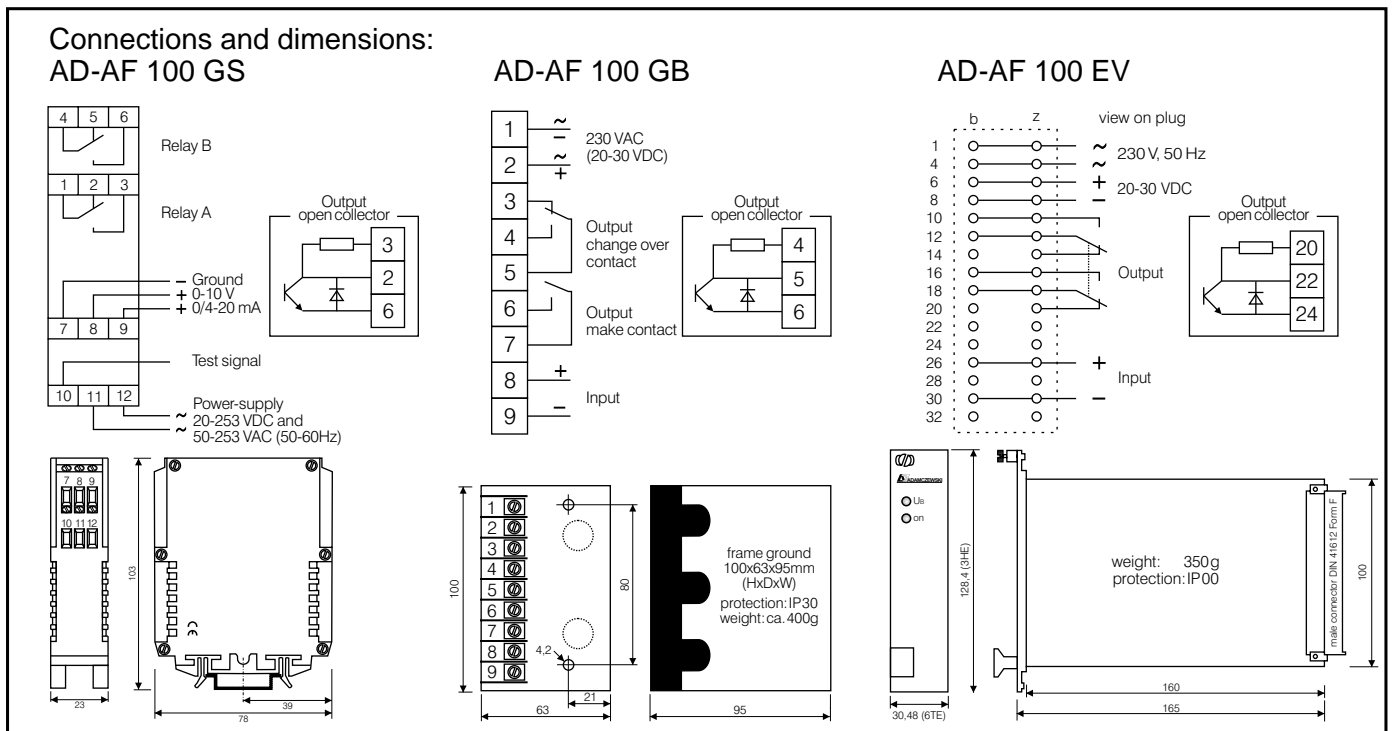
Ambient temperature: 0 to + 50°C

Protective system: Power pack: against over voltage, against over current, against over temperature

Special version: adjustable output frequency



(\*) = values must be defined by order!



Printed 08/2006. We reserve the right for technical changes



**ADAMCZEWSKI**  
Elektronische Messtechnik GmbH

Felix-Wankel-Str. 13  
Tel. +49 (0)7046-875  
vertrieb@ad-messtechnik.de

74374 Zaberfeld  
Fax +49 (0)7046-7678  
www.adamczewski.com