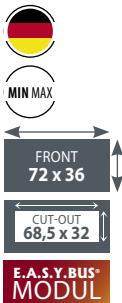


## UNIVERSAL COUNTER AND FREQUENCY DEVICE



## HIGHLIGHTS:

- 6-digit display
- Assembly, dismantling, sum and difference counter
- 2 integrated switching outputs (galvanically isolated)
- Configurable as display or controller (5 switching functions)
- Extensive self-monitoring and diagnostic system

## GIR 360

Art. no. 607953

Freely selectable universal counter and frequency meter

## Specifications:

## Inputs

<b>Input 1:</b>	frequency, rotational speed, counter input A
<b>Input voltage:</b>	0 ... 5 V (0 ... 28 V with dropping resistor)
<b>Input level:</b>	Low <0.5 V; High >2.2 V
<b>NPN:</b>	pullup resistor 7 kohms to 3.3 V
<b>PNP:</b>	pulldown resistor 7 kohms against GND
<b>Min. pulse width:</b>	50 us
<b>Input 2:</b>	count input B, Gate, direction
<b>Input voltage:</b>	0 ... 5 V (0 ... 28 V with dropping resistor)
<b>Input level:</b>	Low <0.5 V; High >2.2 V
<b>NPN:</b>	pullup resistor 7 kohms to 3.3 V
<b>PNP:</b>	pulldown resistor 7 kohms against GND
<b>Min. pulse width:</b>	50 us
<b>Input 3:</b>	reset input
<b>Input level:</b>	Low <1 V; High >8 V
<b>Min. pulse width:</b>	50 ms

## Measuring / counting areas:

<b>Frequency:</b>	0 ... 10 kHz
<b>Speed:</b>	max. 10000 U/min, switchable prescaler: 1 ... 1000
<b>Counter:</b>	-2.147.483.647 ... 2.147.483.646

## Display area

<b>Frequency / Speed:</b>	-1999 ... 9999 digit, decimal point freely selectable
<b>Counter:</b>	-199999 ... 999999 digit, decimal point freely selectable

<b>Functions:</b>	Frequency measurement Speed measurement, Up counter, down counter Up / down counter with direction input Totalizer A + B, Difference counter A-B, phase discriminator
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<b>Display:</b>	approx. 10 mm high, 6-digit red LED display
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<b>Outputs:</b>	2 volt-free relay switching outputs relay 1: normally-open contact relay 2: normally-closed contact
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<b>Switching functions:</b>	2-point, 3-point, 2-point with alarm, combined min-/max-alarm with 1 output, separate min-/max-alarm with 2 outputs
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<b>Switching points, switching hysteresis:</b>	freely selectable
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<b>Interface:</b>	serial interface, electrically isolated, compatible to EASYBus
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<b>Miscellaneous:</b>	continuous self-diagnostics, digital filter function, measuring range limitation
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<b>Voltage supply:</b>	9 ... 28 V DC (standard)
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<b>Optional:</b>	G24: 9 ... 28 V DC, electrically isolated
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