

UNIVERSAL COUNTER AND FREQUENCY DEVICE



FRONT
36 x 72

E.A.S.Y.Bus - Modul

FUNCTIONS:



NEW!

NEW DESIGN!

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
- Serial EASYBus interface (max 240 devices combined)

AVAILABLE FROM 1ST QUARTER 2016

GIR 360

Product-ID: 607953

Freely selectable universal counter and frequency meter

Specifications:	
Inputs:	
Input 1:	frequency, rotational speed, counter input A
Input voltage:	0 ... 5 V (0 ... 28 V with dropping resistor)
Input level:	Low < 0.5 V; High > 2.2 V
NPN:	pullup resistor 7 kohms to 3.3 V
PNP:	pulldown resistor 7 kohms against GND
Min. pulse width:	50 us
Input 2:	count input B, Gate, direction
Input voltage:	0 ... 5 V (0 ... 28 V with dropping resistor)
Input level:	Low < 0.5 V; High > 2.2 V
NPN:	pullup resistor 7 kohms to 3.3 V
PNP:	pulldown resistor 7 kohms against GND
Min pulse width:	50 us
Input 3:	reset input
Input level:	Low < 1 V; High > 8 V
Min pulse width:	50 ms
Measuring / counting areas:	
Frequency:	0 ... 10 kHz
Speed:	max. 10000 U/min, switchable prescaler: 1 ... 1000
Counter:	-2.147.483.647 ... 2.147.483.646
Display area:	
Frequency / Speed:	-1999 ... 9999 digit, decimal point freely selectable
Counter:	-1999999 ... 9999999 digit, decimal point freely selectable
Functions:	
Frequency measurement	
Speed measurement,	
Up counter, down counter	
Up / down counter with direction input	
Totalizer A + B,	
Difference counter A-B, phase discriminator	
Display:	approx. 10 mm high, 6-digit red LED display
Outputs:	
2 volt-free relay switching outputs	
relay 1: normally-open contact	
relay 2: normally-closed contact	
Switching functions:	
2-point, 3-point, 2-point with alarm, combined min-/max- alarm with 1 output, separate min-/max- alarm with 2 outputs	
Switching points, switching hysteresis:	
freely selectable	
Interface:	serial interface, electrically isolated, compatible to EASYBus
Miscellaneous:	
continuous self-diagnostics, digital filter function, measuring range limitation	
Supply voltage:	9 ... 28 V DC (standard)
Optional:	G24: 22 ... 27 V DC, electrically isolated

Current consumption:	max. 70 mA
Nominal temperature:	25 °C
Working temperature:	-20 ... +50 °C
Relative humidity:	0 ... 80 % r.F. (non condensing)
Storage temperature:	-30 ... +70 °C
Housing:	
Dimensions:	36 x 72 mm (front frame)
Installation depth:	approx. 75 mm (incl. screw-type/plug-in terminals)
Panel mounting:	with fixing clamps panel cutout: 32.0 ^{+0.5} x 68.5 ^{+0.5} mm (H x W)
Electric connection:	via screw-type/plug-in terminals cable cross section: 0.14 ... 1.5 mm ² .
Scope of supply:	device, manual

Variants:

GIR 360-G24

Product-ID: 607954

GIR 300 with electrically isolated supply 22 ... 27 V DC

Accessories and spare parts:

APG-7

Product-ID: 606825

Housing for surface mounting incl. seal GGD4896

EAK 36

Product-ID: 603227

Unit stickers (black with white text) for 36 different units for lettering of display devices.

