

CODIX 542



Your benefit

- frequency counter and tachometer
- Very high luminosity and 14 mm high characters
- Big keys for use with wearing gloves
- DIN-Housing
- Voltage output for sensors (at AC-version)
- 1 Count input
- Scaling factor 0,0001 ... 99,9999
- Division factor 0,0001 ... 99,9999

Product features

- Display range 0 ... 999 999 with zero blanking
- Connection with screw terminal
- Modern **CODIX**-Design

Options:

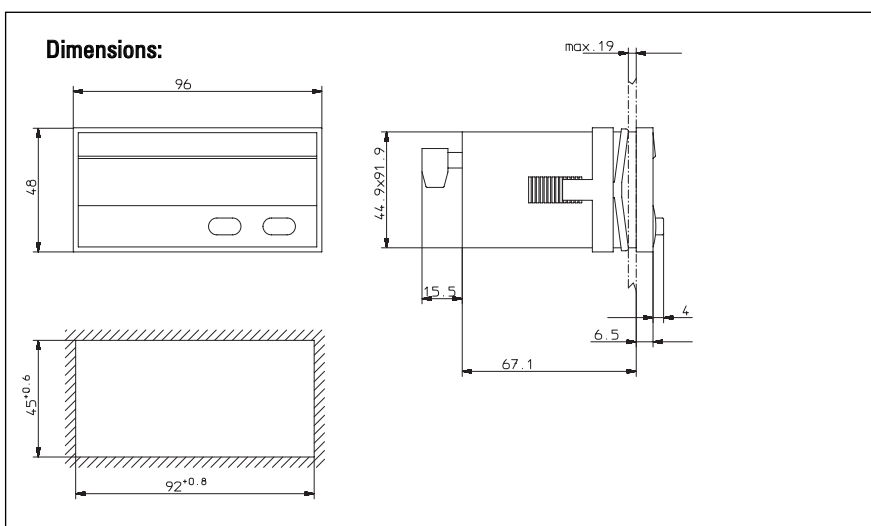
Optocoupler output for at f = 0, e.g. as stop indicator

Technical data

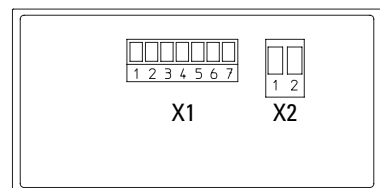
Supply voltage:	10 ... 30 V DC, with reverse polarity protection 90 ... 260 V AC
Current consumption:	max. 50 mA, 6 VA
Display:	6-digit red 7-segment LED-display; 14 mm high
Data retention:	EEPROM
Housing:	Dimension 96 x 48 mm according to DIN 43 700; RAL 7021, grey
Polarity of the inputs:	programmable, npn or pnp
Input resistance:	appr. 5 kΩ
Count frequency*:	max. 60 kHz, can be damped to 30 Hz depending on operating mode
Measurement principle:	Period duration measurement with averaging at higher frequencies
Input switching level (standard version):	DC version: Low: 0 ... 0,2 x U _B [V DC] High: 0,6 x U _B ... 30 V DC

	AC version: Low 0 ... 4 V DC High 12 ... 30 V DC
Input switching level (5 V version):	Low 0 ... 2 V DC High 4 ... 30 V DC
Voltage output for sensors:	24 V DC ±15 %/100 mA at AC-version
Accuracy:	<0,1 %
Ambient temperature:	-20 ... +65 °C
Storage temperature:	-25 ... +70 °C
EMC:	according to EC EMC directive 89/36/EWG
Interference emissions:	EN 61 000-6-4/EN 55011 class B
Interference resistance:	EN 61 000-6-2
Protection:	IP65 (front)
Weight:	appr. 150 g

* for further information please refer to the manual



Connections:



Connection X2

Pin	AC version	DC version
1	90 ... 260 V AC	0 V DC (GND)
2	90 ... 260 V AC	10 ... 30 V DC

Connection X1

Pin	AC version	DC version
1	Optocoupler output Emitter	
2	Optocoupler output Collector	
3	-	
4	-	
5	INP	
6	GNDout	n.c.
7	+24 Vout	n.c.

Order code:

6.542.01X.XX0

Output
1 = Optocoupler output
2 = no output

Input switching level
0 = Standard level
A = 5 V level

Power supply
0 = 90 ... 260 V AC
3 = 10 ... 30 V DC

Delivery specification

Digital display
Mounting clip
Seal
Multilingual operating instructions