

Codix 541, Totalizer or position indicator

- High count speed, numerous programming options, big keys for use when wearing gloves
- Count difference of both inputs, up/down mode, Count sum of both inputs, up/up mode, phase discriminator (quadrature) with pulse doubling or quadrupling

NPN or PNP inputs, max. 60 kHz

Large, bright display, 14mm high

Scaling factor 0.0001 ... 99.9999

Division factor 0.0001 ... 99.9999



Wide power supply range

2 programmable count inputs

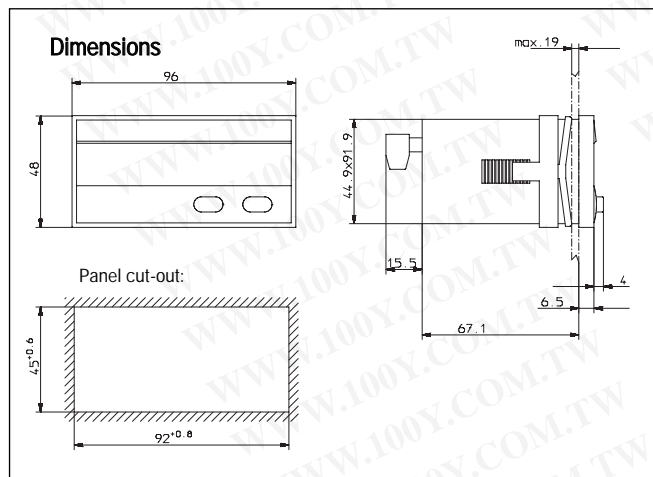
Technical data

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 backup:	EEPROM
Housing:	Dimensions 96 x 48 mm according to DIN 43 700; RAL 7021, grey
Polarity of Inputs:	programmable, npn or pnp for all inputs
Input resistance:	appr. 5 kΩ
Counting frequency*:	max. 60 kHz, can be damped to 30 Hz, depending on operating mode at position display max. 25 kHz
Reset time:	5 ms
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 supply for sensors	24 V DC ±15 %/100 mA for AC versions
Max power consumption	max. 30 V, 10 mA
Optocouplers:	
Ambient temperature:	-20 ... +65 °C, non-condensing
Storage temperature:	-25 ... +70 °C
EMC:	according to EC EMC directive 89/36/EWG
Immunity to interference:	EN 61 000-6-4/EN 55011 class B
Emitted interference:	EN 61 000-6-2
Protection:	IP65 (front)
Weight:	appr. 150 g

*for further specifications please refer to the manual



Order code:

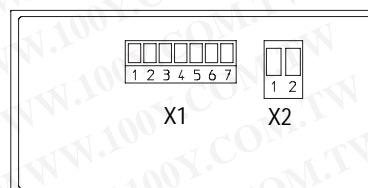
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Output
1 = Optocoupler output
2 = no output

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

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

Connection:



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	Set	
4	INP B	
5	INP A	
6	GNDout	n.c.
7	+24 Vout	n.c.

Scope of delivery:

Digital display
Mounting clip

Seal
Multilingual operating instructions