

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

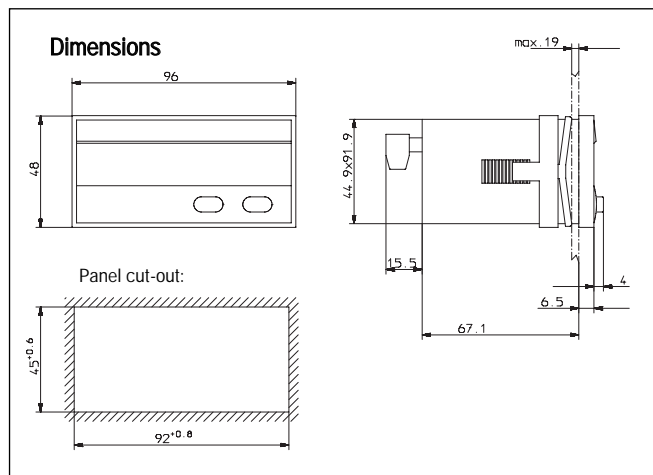
Technical data

| | |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 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:

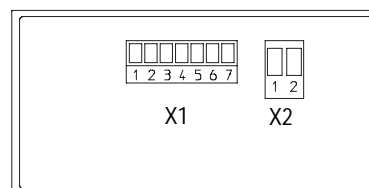
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Output
1 = Optocoupler output
2 = no output

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