Counting technology
Adding Counter *CODIX* 52C

Kübler

Dual Totaliser *CODIX* 52C with separate inputs

DC 10...30V	000000 DIN 48 x 24	-20° +65°	IP 65	Pro5	(glove)	max. 25 kHz	PNP/NPN
Power supply DC	Front bezel dimensions	Wide temperature range	High IP protection rating	Menu-driven programming	Operation with gloves	Pulse counter/ Totaliser	Input type
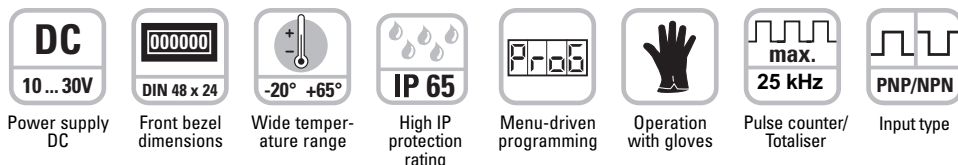
Powerful

- **Fast count input**
  Input frequency max. 25 kHz

- **Robust housing**
  IP 65 protection

- **LED display**
  Very bright, 8 mm high

- **Single channel dual totaliser with 2 separate inputs**
  Programmable for positive (PNP) or 0 V (NPN) switching input pulses
  Fast count inputs with an input frequency of max. 25 kHz, damped to 30 Hz for mechanical contacts.

- **Fast start-up time**
  Detects incoming pulses just 16 ms after being switched on – so no pulses are lost with a simultaneous motor start-up

RoHS ✓ c (UL) US

User-friendly

- **Big keys**
  Can also be operated when using gloves

- **Easy to programme**
  Easy menu-driven programming and operation
  Possibility to enter the programming mode during operation, with authentication query

Universal

- **Separate scaling for input A and B**
  Multiplication and division factor (0.0001... 99.9999), to show corresponding units in e.g. litres, length or packaging size

- **Simple display switching between**
  A to B or A-B, A/B, (A-B)/A [%]

- **DC power supply**

- **Inputs**
  As an alternative to the HTL inputs, models are also available with a fixed signal level threshold >4 V DC for use with TTL signals

- **Reset manual or electrical**
  can be programmed separately for both counters. The reset can also be locked-out.

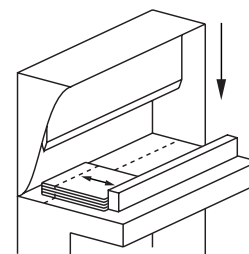## Application examples for the dual totaliser with separate inputs

- Logging of production data, piece count and overall total
- Totalising of flow volumes, quantities and other scalable
- Counting tasks, such as quantities and piece counting

- Accessories, OEM or retrofit equipment for production machinery
- Piece counting on die-cutters, presses, extruders, wood-processing machines, drilling machines, pick-and-place machines, guillotines, special vehicles

- Measurement of two different values in just one device: e.g. with 2 inputs both the piece count and the number of packages can be counted.
- Recording of the total results from 2 work-shifts
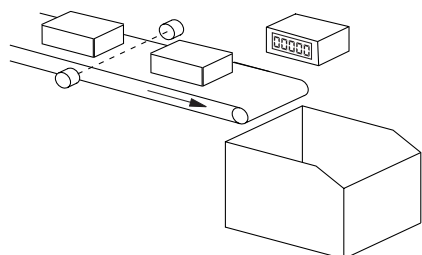
Total piece count as well as packing units
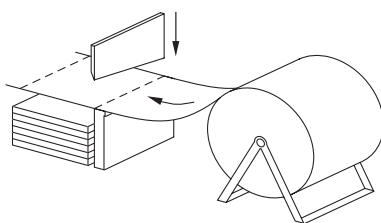
Individual and total quantities
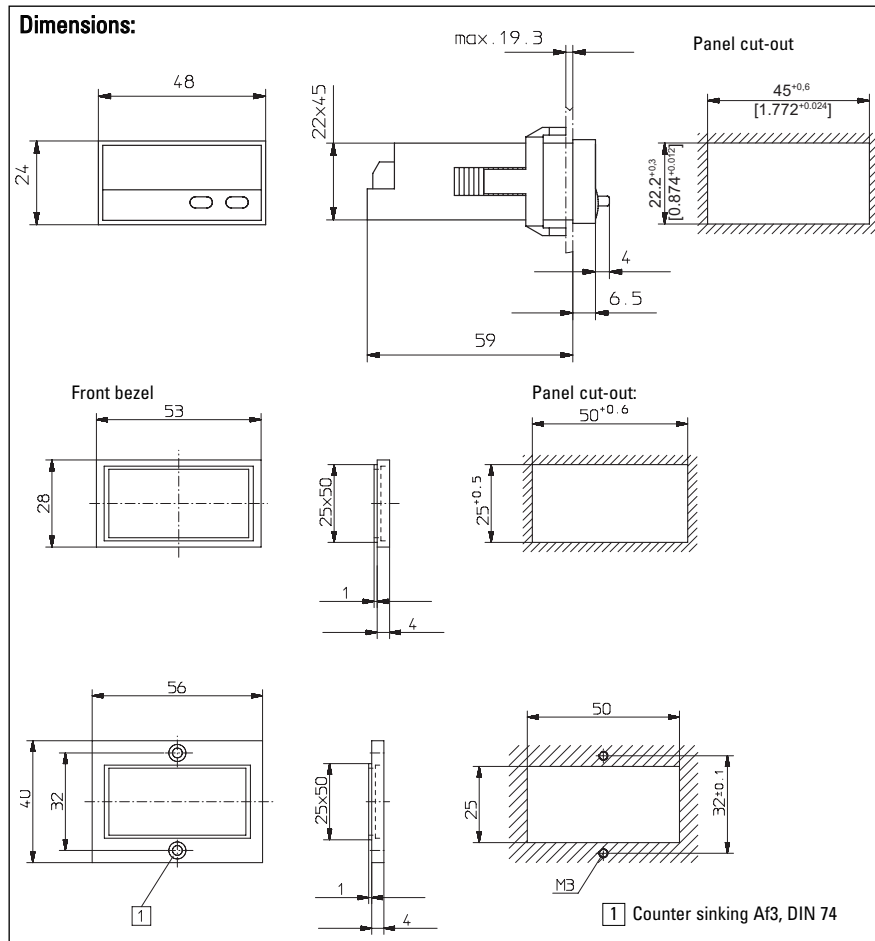
Individual and total quantity from 2 work-shifts

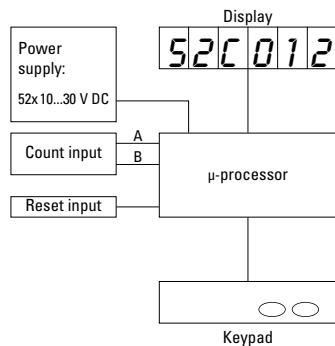## Dual Totaliser *CODIX* 52C with separate inputs

Technical data:

Supply voltage:	10 ... 30 V DC, with reverse polarity protection
Current consumption:	max. 40 mA
Display:	6 digit red 7-segment LED; 8 mm [0.315"] high
Data backup:	EEPROM
Housing:	Dimensions 48 x 24 mm [1.89 x 0.945"] according to DIN 43 700; RAL 7021, grey
Polarity of inputs:	programmable, npn or pnp for all inputs
Input resistance:	approx.5 kΩ
Counting frequency:	approx 25 kHz, can be damped to 30 Hz
Reset time:	5 ms

Level of inputs:	Low: 0 ... 0,2 x U_B [V DC] High: 0,6 x U_B ... 30 V DC
Fixed signal level threshold:	Low: 0 ... 2 V DC High: 4 ... 30 V DC
Optocoupler output:	Max. 30 V, 10 mA
Ambient temperature:	-20 ... +65 °C [4 ... 149 °F] at Ub = 10 ...26 V DC -20 ... +55 °C [4 ... 131 °F] at Ub = >26 ... 30 V DC
Storage temperature:	-25 ... +70 °C [–13 ... 158 °F]
EMC:	according to EC EMC directive 89/36/EWG
Immunity to interference:	EN 61 000-6-4/EN 55 011 class B
Emitted interference:	EN 61 000-6-2
Protection:	IP65 front side
Weight:	approx. 50 g [1.764 oz]

Block diagram:

Dimensions:

Front bezel

Panel cut-out:

1 Counter sinking Af3, DIN 74

Connections:
1 10 ... 30 V DC
2 0 V GND
3 INP A
4 INP B
5 Reset
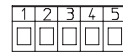
Delivery specifications:
1 Digital display
1 Panel mounting clip
1 Bezel for screw mounting, panel cut out 50 x 25 mm [1.969 x 0.984"]
1 Bezel for clip mounting, panel cut out 50 x 25 mm [1.969 x 0.984"]
1 Gasket
1 Multilingual operating instructions

Order code:
6.52C.012.3X0

Input switch level
0 = Standard*
A = Fixed level:
Low 0 ... 2 V DC,
High 4 ... 30 V DC
* Stock model