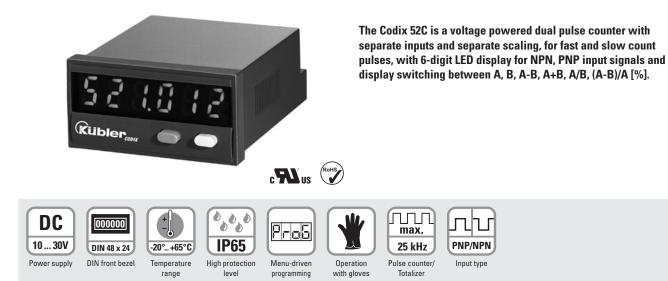
Pulse counters, electronic

LED pulse counters

2 counters with separate inputs and separate scaling (DC)

Codix 52C

bler



Powerful

- · Single channel dual totalizer with 2 separate inputs - programmable for positive (PNP) or OV (NPN) switching input pulses
 - fast count inputs with an input frequency of max. 25 kHz. Can be damped to 30 Hz for mechanical contacts.
- Robust housing IP65 protected.
- Very bright LED display, 8 mm high.
- Short start-up time detects input pulses just 16 msec after being switched on => no pulses are lost with a simultaneous motor start-up.

User-friendly and universal

- Large keys can also be operated when wearing gloves.
- Simple uniform menu-driven programming and operation possible to enter the programming also during operation with a confirmation prompt.
- · Individually programmable scaling for inputs A and B multiplication and division factor (0.0001...99.9999), to display corresponding units in, for example, litres, length or packaging size.
- Simple display switching from A to B or A+B, A-B, A/B, (A-B)/A [%].
- DC power supply.
- · As an alternative to the HTL units, models are also available with a fixed signal level threshold >4 ... 30 V DC for use with TTL signals.
- Reset manual or electrical, programmable separately for both counters (the reset can also be locked out).

Order code

6.52C 012 3|X|0 6

- a Input switching level 0 = Standard (HTL)
- Delivery specification Counter
 - Mounting clip
- A = 4 ... 30 V DC LOW 0 ... 2 V DC HIGH 4 ... 30 V DC

- Front bezel for screw mounting (T008181) 56 x 40 mm [2.20 x 1.57"], panel cut-out 50 x 25 mm [1.97 x 0.98"] Front bezel for clip mounting (T008180) 53 x 28 mm [2.09 x 1.10"], panel cut-out 50 x 25 mm [1.97 x 0.98"]
- Gasket
- · Instruction manual, multilingual

Kübler

Pulse counters, electronic

LED pulse counters 2	counters with separate inputs and separate scaling (DC) Co	odix 52C
Accessories	Dimensions in mm [inch]	Order no.
Adapter front bezel, 72 x 36 [2.83 x 1	I.42] for cut-out 68 x 33 [2.68 x 1.30] to cut-out 45 x 22.2 [1.77 x 0.87], for counters 48 x 24 [1.89 x 0.94], as set black and silver anodised	162704 Set
Adapter front bezel, 48 x 48 [1.89 x 1	I.89] for cut-out 45 x 45 [1.77 x 1.77] to cut-out 45 x 22.2 [1.77 x 0.87], with clip mounting for counters 48 x 24 [1.89 x 0.94] black	T008883
Adapter front bezel, 60 x 50 [2.36 x 1	I.97] for cut-out 54 x 29 [2.13 x 1.14] to cut-out 45 x 22.2 [1.77 x 0.87], with screw mounting and gasket for counters 48 x 24 [1.89 x 0.94] black	N003001
Transparent cover, lockable, IP65	for cut-out 54 x 29 [2.13 x 1.14], for screw mounting to front bezel F1B or adapter front bezel N003001, for counters with cut-out 50 x 25 [1.97 x 0.98] or 45 x 22.2 [1.77 x 0.87]	N003002
Sealing cover type K1, IP65	suitable for front bezel 60 x 50 [2.36 x 1.97], for screw mounting of electromech. counters and via adapter front bezel N003001 for counters 48 x 24 [1.89 x 0.94]	G008301
Mounting frame with cut-out 50 x 25 [2.36 x 1.97] via separate adapter also for 45 x 22.2 [1.77	for snap-on mounting on 35 [1.38] top-hat DIN rail, for counters 53 x 28 [2.09 x 1.10] x 0.87] and via separate adapter (T008180) for counters 48 x 24 [1.89 x 0.94] chromated	G300004

Suitable gaskets, other accessories and installation examples for optional accessories can be found in chapter accessories or in the accessories section under: www.kuebler.com/accessories.

Technical data

General technical data		
Display	6 digits, red 7 segment LED display; 8 mm [0.32"] high	
Data backup	EEPROM	
Operating temperature 10 26 V D0 > 26 30 V D0		
Storage temperature	-25°C +70°C [-13°F +158°F]	

Inputs		
Polarity of inputs		programmable, NPN or PNP for all inputs
Input resistance		approx. 5 kΩ
Counting frequency		max. 25 kHz, can be damped to 30 Hz
Minimum pulse duration of the reset input		5 ms
Input switching level standard version (HTL)		
	LOW	0 0.2 x U _B (V DC)
	HIGH	0.6 x U _B 30 V DC
Input switching level at 4 30 V DC		
	LOW	0 2 V DC
	HIGH	4 30 V DC

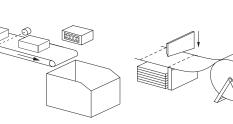
	0 2 V DC 4 30 V DC		

Application examples for the dual totalizer with separate inputs

- Logging of piece count and overall total
- Totalizing 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

Electrical characteristics	
Power supply	1030 V DC, with reverse polarity protection
Current consumption	max. 40 mA
EMC standards	EN 55011 class B, EN 61000-6-2, EN 61000-6-3, EN 61326-1
UL approval	file E128604
Mechanical characteristics	
Housing	front panel mount 48 x 24 mm [1.89 x 0.94"] acc. to DIN 43700;

	RAL 7021, dark grey
Protection	IP65 (front side)
Weight	approx. 50 g [1.76 oz]
Vibration resistance acc. to EN 60068-2-6	10 55 Hz / 1 mm [0.04"] / 30 min
Shock resistance acc. to EN 60068-2-27	100 G: 2 ms
	10 G · 6 ms





Total piece count as well as packing units Individual and total quantities

Individual and total quantity from 2 work-shifts

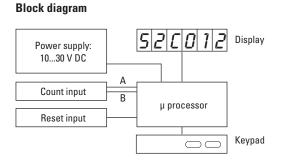


Pulse counters, electronic

LED pulse counters

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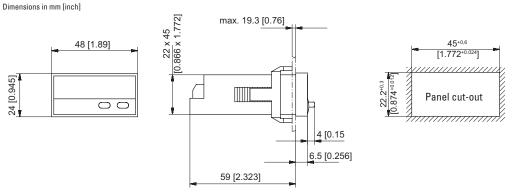
Codix 52C



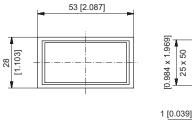
Terminal assignment 2 3 4 5

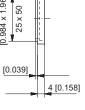
PIN	
1	10 30 V DC
2	0 V GND
3	INP A
4	INP B
5	Reset

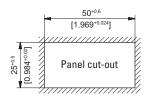
Dimensions

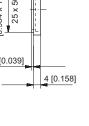


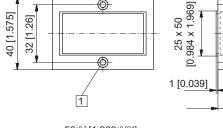
Front bezel for clip mounting (included in delivery)

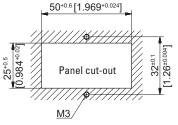












1 Countersinking Af3, DIN 74

Front bezel for screw mounting (included in delivery)

56 [2.205]

Ø

4 [0.158