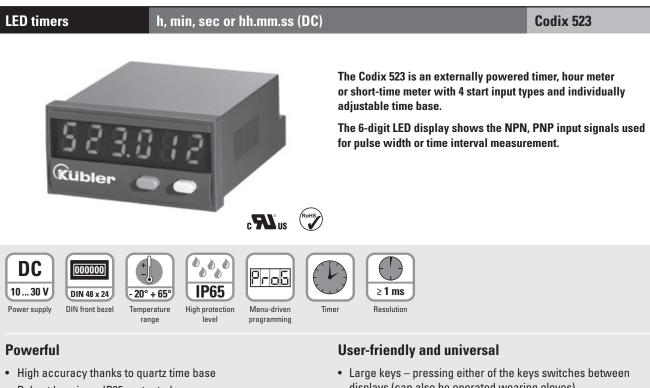
Hour meters / timers, electronic





- Robust housing IP65 protected
- Very bright LED display, 8 mm high
- · Time base can be set individually
 - hours, minutes or seconds, the decimal point allows setting it even more accurately, up to max. 3 decimal places
 - smallest achievable resolution: milliseconds
 - time base hours (minutes and seconds as real-time display)
- Short start-up time detects incoming pulses already 16 ms after having been switched on => no loss of pulses in case of a simultaneous motor start
- Individually adjustable Start/Stop function 2 Start/Stop inputs allow achieving 4 different measuring principles such as, for example, active or passive pulse width measurement, time interval measurement with one single input or with separate inputs.

6.523

- displays (can also be operated wearing gloves)
- Programming
 - simple uniform menu-driven programming and operation - possibility to enter the programming mode also during
 - operation with an authentication query
- Manual or electrical reset Tamper-proof thanks to lockable reset function
- · Freely programmable setpoint Start time at which time counting begins
- As an alternative to the HTL inputs, devices with a 4 ... 30 V DC input level are available, for use as parallel displays for PLCs
- · Optional output: 1 Hz clock pulse in case of active time measurement

Order code	
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01 X 3 X 0 . b a

a Output 1 = Optocoupler

2 = No output 1)

D Input switch level 0 = Standard (HTL) 1)

A = 4 ... 30 V DC

- - Delivery specification - Timer

 - Mounting clip
 - Gasket
 - Instruction manual, multilingual
- 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"]

勝特力材料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw



Hour meters / timers, electronic

LED timers h, min, so	ec or hh.mm.ss (DC) Cod	ix 523	
Accessories	Dimensions in mm [inch]	Order-No.	
Adapter front bezel, 72 x 36 [2.83 x 1.42]	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 1.89]	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 1.97]	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		
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, 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. G008301 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 x 0.87]	For snap-on mounting on 35 [1.38] top-hat DIN rail, for counters 53 x 28 [2.09 x 1.10] and via separate adapter (T008180) for counters 48 x 24 [1.89 x 0.94] chromated	G300004	

Suitable gaskets as well as further accessories can be found in the accessories section or in the accessories area of our website at: www.kuebler.com/accessories.

Technical data

General technical d	lata			
Display		6 digits, red 7 segment LED display; 8 mm [0.32"] high		
Data backup		EEPROM		
Operating temperature	10 26 V DC > 26 30 V DC	-20°C +65°C [-4°F +149°F] -20°C +55°C [-4°F +131°F] (non-condensing)		
Storage temperature		-25°C +70°C [-13°F +158°F]		
Electrical characteristics				
Power supply		1030 V DC, with integrated reverse polarity protection		
Current consumption		max. 45 mA		
EMC Imm	Emitted interference nunity to interference	EN 55011 class B EN 61000-6-2		

Polarity of inputs		programmable, NPN or
		PNP for all inputs
Input resistance		approx. 5 k Ω
Resolution		up to 0.001 s
Minimum pulse duration of the reset inpu	ıt	5 ms
Input switching level	LOW	0 0.2 x U _B [V DC]
standard version (HTL)	HIGH	0.6 x U _B 30 V DC
Input switching level at	LOW	0 2 V DC
4 30 V DC	HIGH	4 30 V DC
Accuracy		<50 ppm

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Outputs (optional) Output power optocoupler

max. 30 V, 10 mA

Mechanical characteristics	
Housing	front panel mount 48x24mm [1.89x0.94"] acc. to DIN 43700; RAL 7021, dark grey
Protection	IP65 (front side)
Weight	approx. 50 g [1.76 oz]

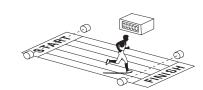
Applications for time and hour meters, short-time meters

- Time measurements such as hours run recording on all machines and plant, e.g. compressors, solariums, special lights and lamps
- Accessories, OEM equipment or retrofitting to production machine
- Measurement of short times on processes and procedures, time recording (stopwatch function) at sporting events
- Hours run recording for motor vehicles and time monitoring for rally vehicles



Hours run of UV lamps



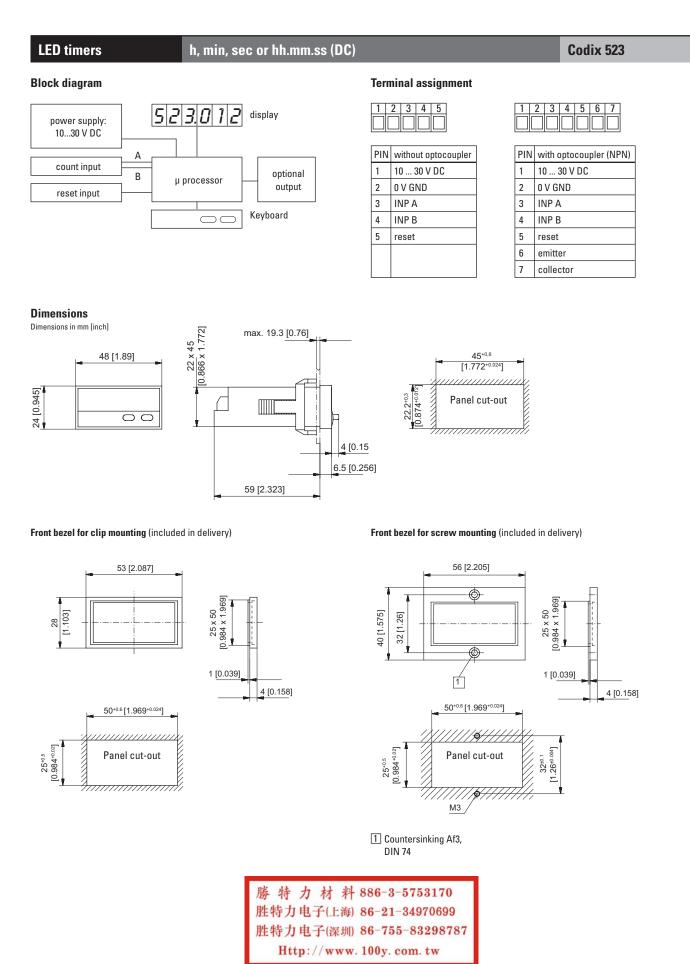


Operating hours

Short time measurement > 1 ms



Hour meters / timers, electronic



Hour meters / Timers