

Preset Counters

LED Preset Counters	2 Presets	Codix 560
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With its automatic help texts, clearly and legibly displayed on 14 LED segments, the Codix 560 preset counter takes the user effortlessly through the programming. The large user-friendly front keys can be operated even when wearing gloves.



DC 10 ... 30 V Power supply	AC 90 ... 260 V Power supply	-20° +65° Temperature range	000000 DIN front bezel	PROGRAM Menu-driven programming	IP 65 High IP value	max. 60 kHz High count frequency	Multifunction Multifunction	HRA Frequency display with HRA	POSITION Position display	A..Z* LED 1 x 6 LCDs
Batch Batch counter	Σ Total counter									

Multifunction

- Counter, Tachometer, Timer and Position Display in one device
- Can be used as Preset Counter, Batch Counter or Total Counter
- Many different count modes
- Scalable display
- Set value
- Multi-range power supply for AC or DC

User-friendly:

- Automatic help texts, displayed in German and English
- 14-segment LED for improved text representation
- Status display of the presets
- 3 predefined parameters
- Tracking presets eliminate the need for reprogramming of the pre-signal
- Minimum installation depth
- 4-stage RESET modes
- 3-stage keypad locking
- Suitable for installation in mosaic systems

Order code

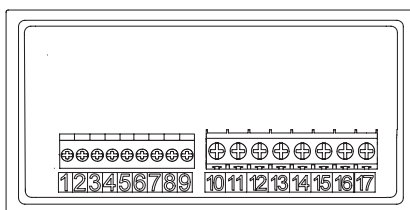
6.560 . 010 . XX0
① ②

- ① **Supply voltage**
0 = 90 ... 260 V AC
3 = 10 ... 30 V DC

- ② **Input trigger levels**
0 = Standard level (HTL)
A = 4...30 V DC level

- Delivery specification**
- Preset counter
- Mounting clip
- Instruction manual

Connections



Signal and Control inputs

- 1 – INP A (Signal input A)
- 2 – INP B (Signal input B)
- 3 – RESET (Reset input)
- 4 – LOCK (Keypad lock)
- 5 – GATE (Gate input)
- 6 – MPI 1 (User input 1)
- 7 – MPI 2 (User input 2)
- 8 – Sensor supply voltage
AC: 24 VDC/80 mA
DC: UB connected through
- 9 – Shared connection for signal and control inputs
GND (0 VDC)

Version with relay/optocoupler

- 10 – Relay contact C.2
 - 11 – Relay contact N.O.2
 - 12 – Relay contact N.C.2
 - 13 – Relay contact C.1
 - 14 – Relay contact N.O.1
 - 15 – Relay contact N.C.1
 - 16 – AC: 90..260 VAC N~
DC: 10..30 VDC
 - 17 – AC: 90..260 VAC L~
DC: GND (0 VDC)
- Output 1 (terminals 10, 11, 12)
Output 2 (terminals 13, 14, 15)
Supply voltage (terminals 16, 17)

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Technical data

Sensor supply voltage	AC	90 ... 260 V AC max. 11 VA, 50/60 HZ
	DC	10 ... 30 V, max. 5,5 W
External fuse protection	230 V AC	T 0,1 A
	10 ... 30 V DC	T 0,25 A
Display	6-digit, 14 segment LED Display, 14 mm [0.551"] high	
Data retention	> 10 years, EEPROM	
Response time of the frequency meter:	100 / 600 ms, for details, see instruction manual	
Input modes	Input modes:	Count direction (cnt.dir), Difference (up.dn), Addition A+B (up.up), phase discriminator x1, x2, x4 (quad, quad x2, quad x4), Ratio (A/B), Ratio in % ((A-B)/A x 100%)
	Frequency meter:	A, A-B, A+B quad, A/B, (A-B)/A x 100%
	Timer:	4 Start modes: FrErun, Auto, InpA.InpB., InpB.InpB.
Sensor supply voltage	AC supply	24 V DC ± 15%, 80 mA
	DC supply	max. 50 mA, external supply voltage is connected through
Operating temperature	-20 °C ... +65 °C	
Storage temperature	-25 °C ... +75 °C	
Relative humidity	at +40 °C	r.F. 93%, non-condensing
Altitude	up to 2000 m	
EMV	Emitted interference	EN55011 Class B
	Immunity to interference	EN 61000-6-2
Device safety	EN 61010 part 1; Protection 2	
Application area	Soiling Level 2	
Protection	IP65 (from the front)	
Weight	AC version	approx. 180 g

Inputs

Count inputs	A and B		
Polarity of the inputs	programmable for all inputs in common NPN/PNP		
Input resistance	5 kΩ		
Count frequency	max. 5 kHz (details see manual) can be damped to 30 Hz (mechanical contacts)		
Control / Reset input	MPI 1 and MPI 2, Lock, Gate, Reset		
Min pulse duration of the inputs	10 ms / 1 ms		
Switching levels with DC supply	HTL-level:	low:	0 ... 4 V DC
		high:	12 ... 30 V DC
	4 ... 30 V DC:	low:	0 ... 2 V DC
		high:	3,5 ... 30 V DC
Switching levels with AC supply	HTL-level:	low:	0 ... 0,2 x UB
		high:	0,6 x UB ... 30 V DC
	4 ... 30 V DC:	low:	0 ... 2 V DC
		high:	3,5 ... 30 V DC
Pulse shape	variable, Schmitt-Trigger characteristics		

Outputs

Switching voltage	max. 250 V AC / 150 V DC		
Switching current	max. 3 A AC / DC min. 30 mA DC		
Switching capacity	max. 750 VA / 90 W		
Output 1 + 2	Mech. service life (switching cycles)	2 x 10 ⁷	
	N° of switching cycles at 3 A / 250 V AC	5 x 10 ⁴	
	N° of switching cycles at 3 A / 30 V DC	5 x 10 ⁴	
	Relay with changeover contact		
Reaction time of the outputs (pulse / time)	13 ms Details s. instruction manual		

Dimensions

