

CXG 23, 28

Hour meter

Electronic

CXG 23, 28

Characteristics	■ single, double or combined meter ■ programmable
Mounting	■ flush mounting with clip
Dimensions (mm)	45 x 22 x 59
Counting capacity	999.999, time units: h:min:s or s:min:h
Display	■ LED, 8 mm high digit
Supply voltage	10...30 VDC



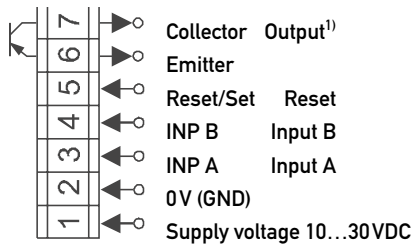
Preferred Range

Ordering Reference	Characteristics
	■ Flush mounting ■ Time base, sec. min. h ■ Capacity: 999.999 or 99:59:59 ■ Supply voltage, 24 VDC
CXG231M4N	Hour meter
CXG281M4N	Duplicate hour meter

Technical data

Counting frequency	max. 30 i/s (counting pulse min. 5 ms) or 10000 i/s	
Reset	none, manual and/or electrical (reset pulse min. 5 ms)	
Display	7-segment LED, 8 mm high suppression of preceding zeros with or without fixed decimal point	
Supply voltage	10...30 VDC (U_{in})	
Power consumption	max. 50 mA	
Types of pulse generator	contacts, voltage pulses, electronic transmitters NPN/PNP (pull-up or pull-down)	
Input voltage	low $0...0.2 \times U_{in}$, high $0.6 \times U_{in}...30$ VDC	
Input resistance	approx 10 kW	
Output	optocoupler, max. 30 V/10 mA	
EMC/interference immunity	class B according to EN 55011 or EN 50082-2	
EMC emission	according to EN 55081-2	
Data protection	EEPROM, min. 10 years or 1 million memory cycles	
Protection class	front IP 65	
Ambient temperature	operation: -10°C to $+50^{\circ}\text{C}$ storage: -25°C to $+70^{\circ}\text{C}$	
Mounting	flush mounting, mounting by plastic spring clip or	2 x M4 screws, any mounting position
Connections	screw terminals for $0.2...2.5\text{mm}^2$	

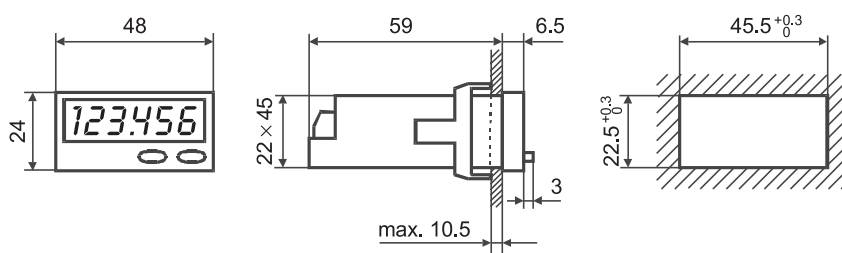
Connection diagrams
CXG 23/...27/...28



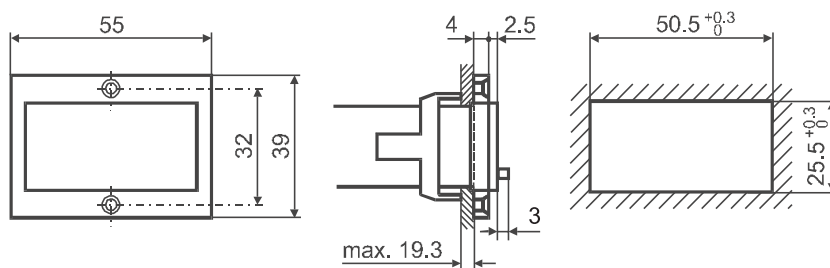
Detailed information on programming and electrical connection is enclosed with counters.

¹⁾ With optocoupler output

Dimensions



Mounting with front frame for screw mounting (delivered with counter)



Ordering Reference

Type	CXG	
Function	231	Time meter/short time meter, counting capacity 0...999.999
	232	Time meter with optocoupler output (NPN)
	281	Double time meter
Supply voltage	M4	10...30 VDC
	N	

