

CXG 22, 25

Counter

Digital tachometers

CXG 22, 25

Characteristics	■ CXG22: tachometer/frequency counter ■ CXG25: totalising counter and tachometer
Mounting	■ flush mounting with clip
Dimensions (mm)	45 x 22 x 59
Counting capacity	999.999 h, min, s 0.01 h or 0.01 s
Display	■ LED, 8 mm high digit
Supply voltage	10...30 VDC



Preferred Range

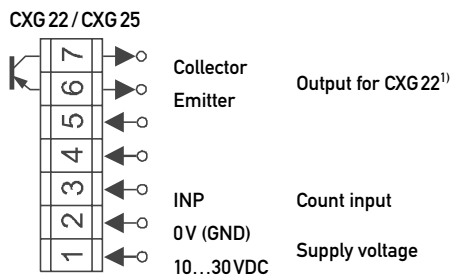
Ordering Reference	Characteristics
	■ Flush mounting with spring clip ■ Counting capacity 0...999.999 ■ Unit of time s or min ■ Delay time 01.1...99.9 s ■ None reset ■ Supply voltage 24 VDC ■ Output optocoupler
CXG222M4N	Tachometer output optocoupler
CXG251M4N	Totalising counter and tachometer* without output

*function switching with right-hand button

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/Emissions	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 $0.2...2.5\text{mm}^2$

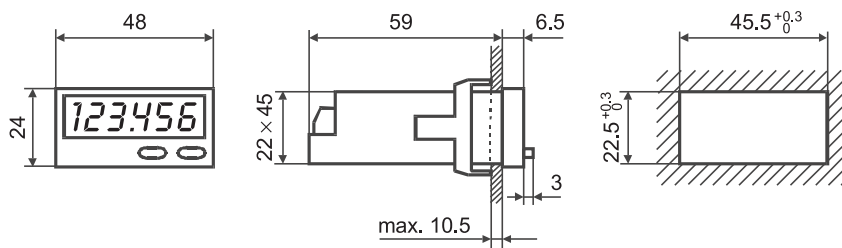
Connection diagrams



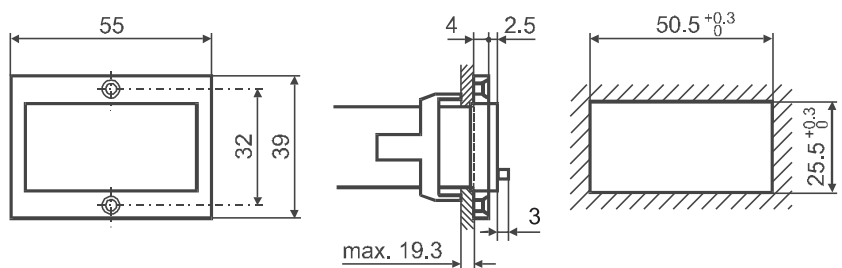
Detailed information on programming and electrical connection is enclosed with counters.

¹⁾ With optocoupler output

Dimensions



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



Ordering Reference

Type	CXG	
Function	221	Totalising counter
	222	Totalising counter with optocoupler output
	251	Totalising counter and tachometer
Supply Voltage	M4	10...30 VDC
	N	

