

# › Electronic Counters

## Hour Counter

### CTR24

- › Display: 8-digit LCD, height 8 mm
- › 4 timing ranges: 99.999.99 hrs - 99.999.59 hrs - 999.999.9 s - 9.999 hrs 59 min 59 s
- › Powered by a lithium battery, service life 8 years
- › Reset on panel or external with inhibition option
- › Accessories for 50 x 25 mm cut-out
- › Highly resistant to shocks and impacts
- › Excellent visibility due to the large digit size



CTR24

Product selection			
Model	Type	Functions	Part Number
CTR24 non-backlit	2223	Hour counter, solid state input PNP	87622161

Accessories	
Description	Part Number
Adaptor for 50 x 25 mm cut-out - Fixed with screws	26546843
Adaptor for 50 x 25 mm cut-out - Fixed with screws	26546844
DIN rail adaptor	26546840
Clip-fixing kit (supplied with the product)	26546848

General characteristics	
Physical details and protection	
Consumption	Backlighting: 24 V $\overline{\text{---}}$ $\pm$ 20 % 50 mA
Connection by 8 screw terminals at rear of casing	•
Connection capacity	1.5 mm <sup>2</sup>
Fixed using bracket	•
Degree of protection front face	IP 65
Temperature limits use (°C)	-10 $\rightarrow$ +60
Temperature limits stored (°C)	-20 $\rightarrow$ +70
Breakdown voltage	According to EN 610110-1: 2000 V/50 Hz/1 min.
Conformity to standards	EN 61000-6-2 - EN 55011 class B
Altitude (m)	2000
Certifications	UL - cULus - CE
Weight (g)	50

You have a project? Contact us on [www.crouzet.com](http://www.crouzet.com)

#### Description:

#### Crouzet Hour Meters, accurate and durable solutions for time measurement needs

Crouzet's hour meters are reliable electronic devices designed for measuring and recording time in industrial applications.

Crouzet's hour meters accurately track the duration of operation, providing essential information for maintenance scheduling and equipment monitoring.

For more information about: please visit [www.crouzet.com](http://www.crouzet.com)

Operating characteristics

Function	Hour counter
Display	8-digit LCD
Height digits (mm)	8
Time ranges	0 →99 999.99 h 0 →99 999.59 h 0 →9 999 999.9 s 0 →9 999 h 59 min 59 s
Input impedance	•

Input 2223

Start/stop input	By PNP or dry contact (terminals 2-6)
Low level	0 → 0.7 V <sub>cc</sub>
High level	4 → 30 V <sub>cc</sub> PNP
Min time closed (ms)	> 100
Input impedance	100 kΩ PNP

Reset to zero - External 2223

Volt-free contact or open collector (terminals 3-6)	•
Minimum time closed (ms)	50

Reset to zero - Panel

Reset via	Inhibited: Terminals 4-6 not connected Active: Terminals 4-6 connected
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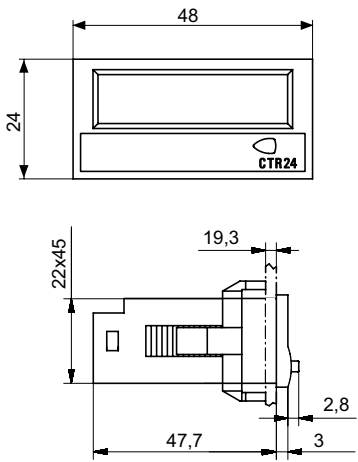
Supply

1 lithium battery - Life (years)	8
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Dimensions (mm)

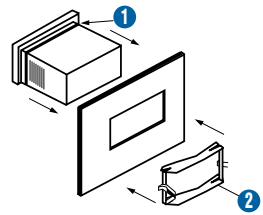
Panel Mounted

CTR24

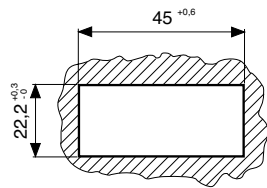


1 Seal  
2 Fixing yoke

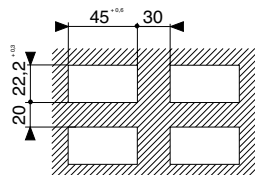
Fixing strip with clip-on yoke



Panel Cut-out



4 appliances

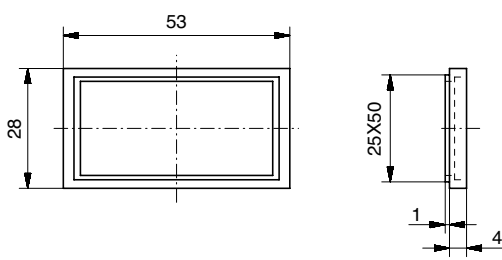
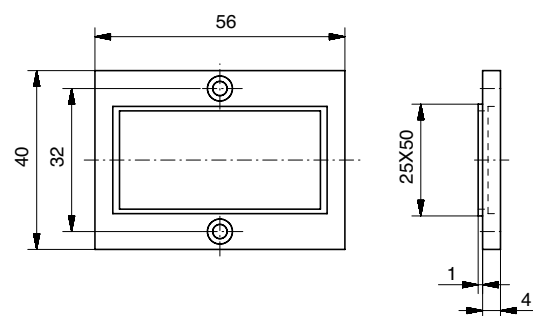


Accessories

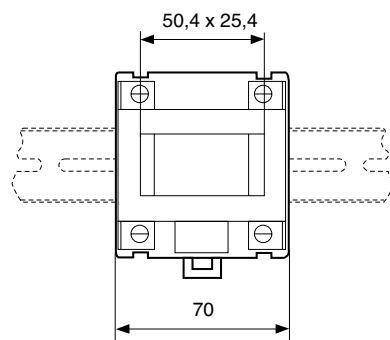
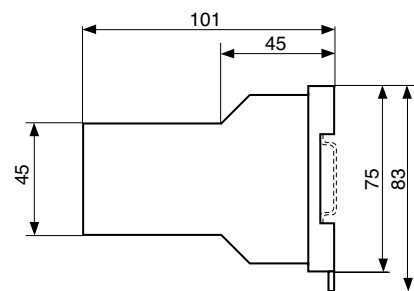
Accessory supplied with the counter -

26546843 - Adaptor for 50 x 25 mm cut-out - Fixed with screws

26546844 - Adaptor for 50 x 25 mm cut-out - Fixed with clips

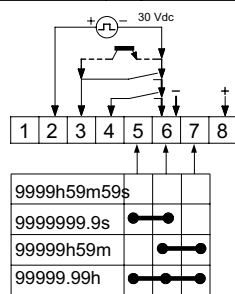
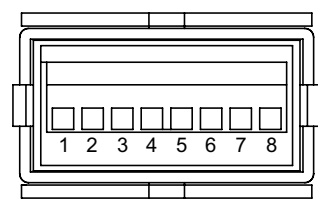


26546840 - DIN rail adaptor



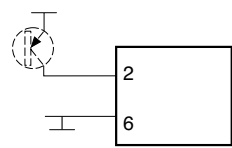
Connections

2223



- 1 NC
- 2 Start/Stop input
- 3 Reset input 100 ms
- 4 Enable panel reset
- 5 Mode 1 (Time selection)
- 6 0 V common/ (BL- only 23xx)
- 7 Mode 2 (Time selection)
- 8 Backlighting option + 24 V (only 2323)

Start/Stop input Transistor PNP



Start/Stop input PNP

