

## ■ Programmable Totalizing Counter Model CF 5010

### Highlights

- LED Display 25 mm, 5 decades
- DIN Housing 144 x 72 mm
- Switchboard- or Mosaic System Mounting
- Isolated Power Supply
- Plug-In Screw Terminal
- 2 Alarm Relay Outputs

### Standard functions

#### Modes

- Time meter with start and stop-input
- Pulse counter with direction-input
- Cycle duration measurement
- Pulse duration measurement
- Frequency measurement up to 10 kHz
- Revolution per minute
- Hour meter
- Tachometer in m/s or km/h

#### Software functions

- Scaling factor 0,001 .. 10,000
- Offset value for count mode
- Count frequency 25 Hz, 7 kHz programmable
- Programmable decimal point
- Autoranging
- Last digit in 1, 2, 5 or 10 steps
- Display test
- Limiting value functions

#### Digital input channels

The instrument is provided with four digital input channels. The input channels are low active. The digital input channels are carried out following functions:

- Programming
- Display test

#### Alarm relay outputs

The instrument is provided with two alarms with relay output. For each alarm point there can be programmed following functions:

- Alarm point and hysteresis
- High or low alarm



#### Power supply

- 18 .. 36 V DC isolated
- optional 12 V DC isolated
- optional 5 V DC isolated

#### Programming

The programming is easy and clearly arranged. By means of a programming menu the user is taken through this programming. The programming is carried out through the digital input channels.

#### Options

##### Housing

- Switch board mounting DIN 43700
- Mosaic system mounting (Siemens 8RU)

##### Colour of the front frame

- Black

##### Design of the front

- Without front foil
- Front foil ERMA-METER
- Front foil NEUTRAL
- Unit overprint

##### Display colour

- Red
- Green

## Technical data

Display	: 5 decades, 25 mm, red (opt. green)
Display range	: -9999 .. 99999
Measuring ranges:	
Time meter	: 10 ms .. 9999,9 s
Pulse counter f <sub>max</sub>	: 25 Hz, 7 kHz programmable
Cycle duration	: 10 ms .. 9999,9 s
Pulse duration	: 10 ms .. 9999,9 s
Frequency	: 0,6 Hz .. 9,999 kHz
Revolution	: 42 .. 9999 U/min
Hour meter	: 0,02 h .. 9999,9 h
Tochometer:	
Resolution	: 0,01 m/s or 0,1 km/h
Distance	: 1 m fix or variable
Digital input channels	
Low level	: < 0,4 V
High level	: > 3,5 V, max. 30 V
Input resistance:	
Input 3-6	: 10 kΩ to +5V
Input 7	: 10 kΩ to GND
Limit value (relays)	: AC max. 5 A, max. 250 V, 1250 VA
	: DC max. 5 A, max. 250 V, 100 W
Power supply DC	: 18 V to 36 V DC, isolated
optional	: 12 V DC, ± 10 %, isolated
optional	: 5 V DC, ± 10 %, isolated
Power consumption	: approx. 65 mA (red)
(18 .. 36 V DC)	: approx. 75 mA (green)
Housing	: switch board mounting DIN 43700
Dimensions	: 144 x 72 x 63,5 mm
Depth	: < 72 mm incl. screw terminal
Protection	: front IP 40
EMV	: in conform with 89/336/EWG
Operating temperature	: 0 .. 50 °C

## Ordering information

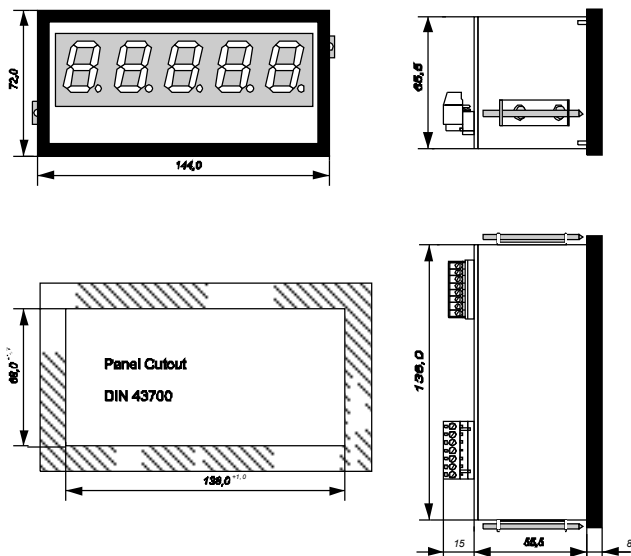
<b>CE 5010 -</b>	
	<b>Housing</b>
	0 Switch board mount
	1 Panel clip
	<b>Front frame colour</b>
	0 Black
	<b>Front design</b>
	0 Without front foil
	1 Front foil ERMA-METER
	2 Front foil NEUTRAL
	<b>Display colour</b>
	0 Red
	1 Green
	<b>Power supply</b>
	0 5 V DC, ± 10%, isolated
	1 12 V DC, ± 10 %, isolated
	2 18 .. 36 V DC, isolated

## Unit overprint

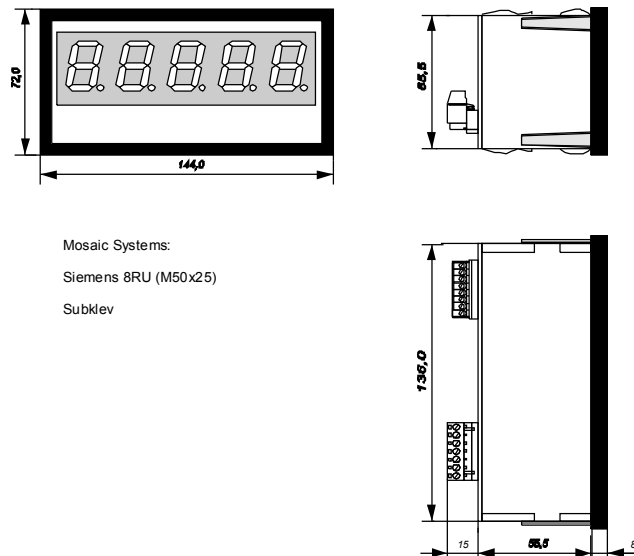
Please specify in clear text at order !

## Dimensions

### Switch board mounting



### Panel clip



Mosaic Systems:  
Siemens 8RU (M50x25)  
Subklev