

■ Programmable Totalizing Counter Model CF 2610

Highlights

- LED Display 14 mm, 5 decades
- DIN Housing 96 x 24 mm
- Switchboard- or Mosaic System Mounting
- Isolated Power Supply
- Plug-In Screw Terminal
- Limit Value Output (Optocoupler)

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 .. 9,999
- 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

Limiting value output (optocouple)

The instrument is provided with a optocouple output for limiting value indication. Following functions can be programmed:

- 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 (Subklev, 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, 14 mm, red (opt. green)
 Display range : -9999 .. 99999

Measuring ranges:
 Time meter : 10 ms .. 9999,9 s
 Pulse counter f_{max} : 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
 Tochrometer:
 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 k Ω to +5V
 Input 7 : 10 k Ω to GND

Limit value output : optocoupler
 : max. 10 mA, 70 V, max. 150 mW

Power supply DC : 18 V to 36 V DC, isolated
 optional : 12 V DC, \pm 10 %, isolated
 optional : 5 V DC, \pm 10 %, isolated

Power consumption : approx. 65 mA (red)
 (18 .. 36 V DC) : approx. 75 mA (green)

Housing : switch board mounting DIN 43700
 Dimensions : 96 x 24 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

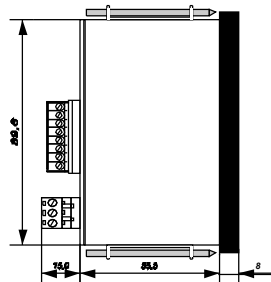
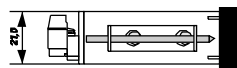
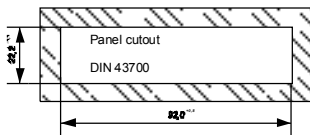
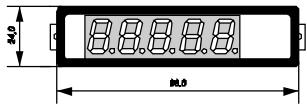
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|------------------|---------------------------------|
| CF 2610 - | |
| | Housing |
| | 0 Switch board mount |
| | 1 Panel clip |
| | Front frame colour |
| | 0 Black |
| | Front design |
| | 0 Without front foil |
| | 1 Front foil ERMA-METER |
| | 2 Front foil NEUTRAL |
| | Display colour |
| | 0 Red |
| | 1 Green |
| | Power supply |
| | 0 5 V DC, \pm 10%, isolated |
| | 1 12 V DC, \pm 10 %, isolated |
| | 2 18 .. 36 V DC, isolated |

Unit overprint

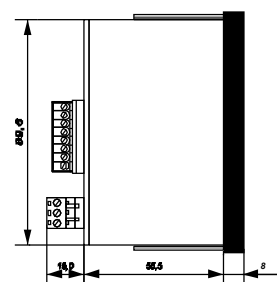
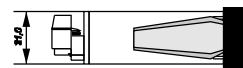
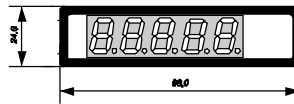
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Dimensions

Switch board mounting



Panel clip



Mosaic Systems:
 Siemens 8RU (M50x25)
 Subkleb