

■ Display with Parallel Interface Type FA 2510

Highlights

- LED Display 8 mm, 5 decades
- Preliminary Zero Suppression
- Input Parallel, max. 16 bit
- For SPS-Interface or Absolute Encoders With Parallel Output
- BCD-, Gray- or Binäry-Code
- Switchboard- or Mosaic System Mounting
- 26-pole Flatcabel Connection DIN 41651
- Isolated Power Supply

Standard functions

Programmable software functions

- BCD-, Binäry- or Gray-Code
- with/without sign
- Offset value -9999 .. 99999
- external/internal decimal point controlling
- Scaling factor 0.0001 .. 9.9999
- with/without strobe signal

Digital inputs channels

In addition the instrument is provided with four control inputs. These control inputs are carried out following functions:

- Programming
- Display test
- external decimal point controlling
- external strobe signal

Input level

All signal inputs are layed out as active high inputs and layed out for PNP-Input. The input level 5V, 12V or 24 V are necessary. Not conneted signal inputs are interpreted as low signal.

Strobe input

The user can select by programming between the mode with strobe signal and the mode without strobe signal. If selected the mode with strobe signal a impuls at the strobe input updates the display with the actualy datas at the data inputs. If selected the mode without strobe signal the display is updated coninuous with the datas at the data inputs.

Power supply

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



Programming

The programming is easy and clearly arranged. By means of a programming menue the user is taken through this programming. The programming is carried out through the four control inputs.

Options

Housing type

- switch board mounting DIN 43700
- Mosaic system mounting (Subklev, Siemens 8RU)

Colour of the front frame

- Black
- Grey coloured RAL 7037

Design of the front

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

Display colour

- Red
- Green

Technical data

Display : 5 decades, 8 mm, play range
-9999 .. 99999
preliminary zero suppression

Code : programmable
BCD, BINÄRY or GRAY

Digital inputs : PNP logic
Input level : 5V, 12V or 24V
Input resistance : > 50 kΩ
Conversion rate : approx. 300 ms
Strobe signal time : >100us

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. 25 mA (red)
(18 .. 36 V DC) : approx. 35 mA (green)

Housing : switch board mounting DIN
43700
Dimensions : 48 x 24 x 107 mm
Depth : < 125 mm incl. connector
Conection : 26 pole flatcabel DIN 41651
Protection : front IP 40

EMV : EMV-conform with 89/336/EWG
Operating temperature : 0 .. 50 °C

Ordering information

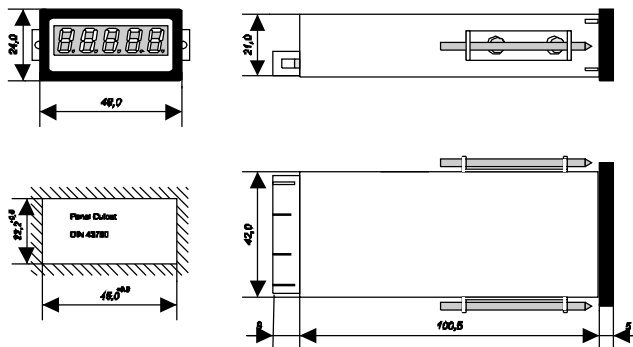
FA 2510	
	Input level
0	5 V
1	12 V
2	24 V
	Housing
0	Switch board mounting
1	Panel clip
	Front frame colour
0	Black
1	Grey coloured RAL 7037
	Front design
0	Without Front foil
1	Front foil ERMA METER
2	Front foil NEUTRAL
	Display colour
0	Red
1	Green
	Power supply
0	5 V DC, ± 10%, isolated
1	12 V DC, ± 10 %, isolated
2	18 .. 36 V DC, isolated

Unit overprint

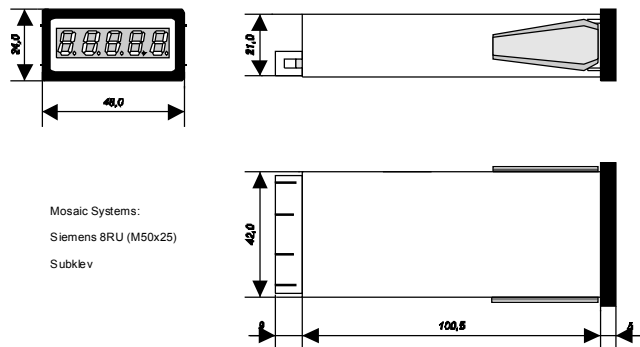
Please specify in clear text at order !

Dimensions

Switch board mounting



Panel clip



Mosaic Systems:
Siemens 8RU (M50x25)
Subkev