

# BCD panelmeter BCD 9624

multiplexed input

## Features

- LED display 14.2mm red or green
- 6-digit display
- Input 0 ... 2.5V for brightness control
- Auto-sensing AC/DC power supply 10 ... 35V DC and 10 ... 30V AC
- Input level 0/24VDC or 5V TTL
- Isolation between input / control input / supply voltage
- Control input for display test
- Front protection IP54 or IP65 (optional)



## General information

Digital panelmeter BCD9624 can be used for indicating and measurement applications in process technology, specially in connection with SPS automation. Multiplex operation minimize the number of input lines.

## Short information

Display code  
(each digit)

BCD-Code	Display
0000 ... 1001	0...9
1010	-
1011	E
1100	H
1101	L
1110	P
1111	non

## Technical data

### Power supply

Supply voltage	: 10 ... 35V DC and 10 ... 30V AC, isolated
Frequency	: 47 ... 63 Hz
Power consumption	: < 2.5VA
Working temperature	: -10 ... +60°C or -25 ... +75°C (optional)
Isolation voltage	: 250V <sub>~</sub> acc. VDE 0110 group 3 between input / control input / supply voltage
Test voltage	: 2.8 kV <sub>~</sub> between input, control input / supply voltage : 1 kV <sub>~</sub> between input / control input
CE - conformity	: EN55022, EN60555, IEC1000-4/3/4/5/11/13, DIN V ENV 50121-3-1/2/3

### Display

	: 6-digit / 14.2 mm
Colour	: red or green
Decimal selection	: control input for each point

### Control input

Voltage level	: low signal 0 ... 3V DC, high signal 10 ... 35V DC 5V TTL - level (optional)
Input resistance	: > 10kΩ

### Analogue input

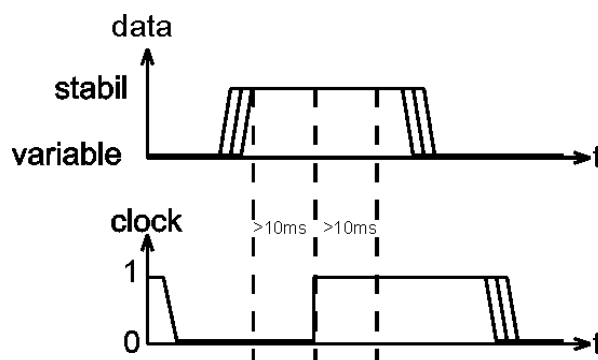
(brightness control)

Voltage level	: 0 (min.) ... 2.5VDC (max. brightness) Open clamps = max. brightness
Input resistance	: > 100kΩ

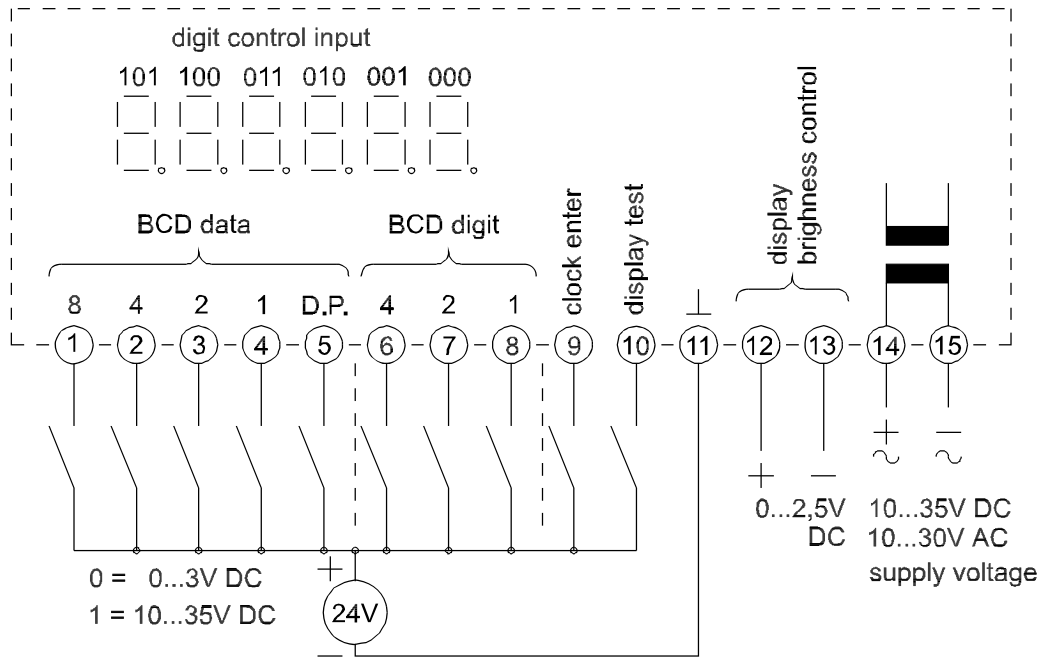
### Case

	: slide-in unit acc. DIN 43700 of Noryl GFN 2SE1
Weight	: approx. 0.15 kg
Connection	: plug-in terminal board, max. 1.5mm <sup>2</sup> / wire
Protection	: Front IP 54 , IP 65 (optional), Terminals IP20 finger safe acc. German VBG4

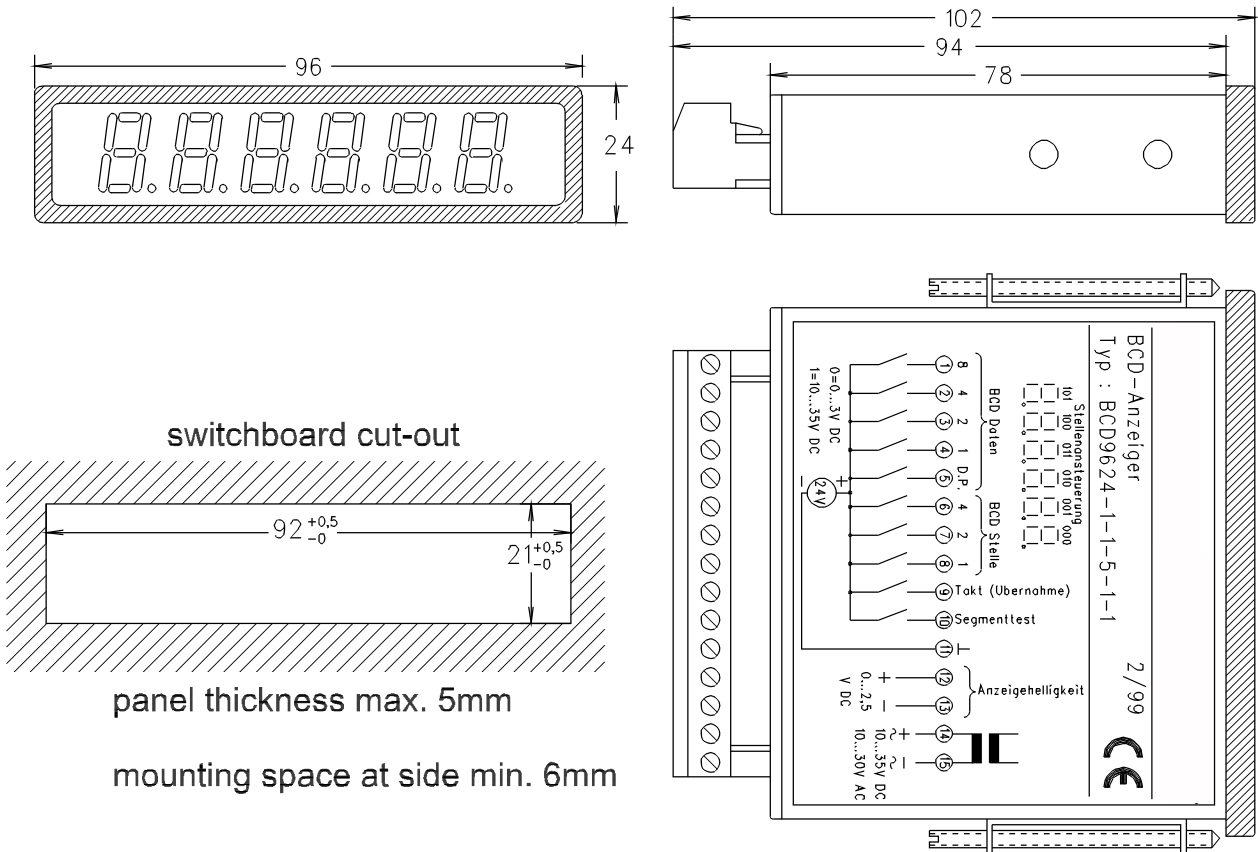
## Timing diagram (control input)



# Connection diagram



# Dimensions



# Order code

BCD 9624 -  1. -  2. -  3. -  4. -  5.

1.

Display	
1:	LED red 14.2mm
2:	LED green 14.2mm

2.

Input (voltage level)	
1:	0 ... 3V DC low 10 ... 35V DC high (standard)
2:	5V TTL-level

3.

Supply voltage	
5:	10 ... 35V DC / 10 ... 30V AC

4.

Working temperature	
1:	-10 ... +60°C
2:	-25 ... +70°C

5.

Front protection	
1:	IP54
2:	IP65