1-digit display DT01

BCD-input with latch function

Indication of process data, error codes ets.

Displays 0-9 with or without decimal point

On/off function

Several units can be connected in parallel

DT01 is a 7-segment LED display with BCD input, which is suitable for indication of process data, error codes etc. in connection with various control systems.

Technical data:

Supply voltage:	10-24 VDC
Current consumption:	typ. 30 mA @20 V supply
Operation temp.:	-10°C to +50°C
Humidity:	0 - 90% RH, non-condensing
Signal inputs:	4 bit BCD, latch and d.p.

Signal levels:
OFF: $V_{in} < 1$ V
ON: $V_{in} > 5$ V
Note: V_{in} may not exceed the supply voltage level.

Update, display: The latch input is normally OFF, in this way it is ensured, that the display will not change, if the BCD-input is changed.
To enter a new number, the BCD-code is changed, then the latch input is set ON, and the new number is then shown on the display. After that, the latch input is set OFF again.

Digit height: 14 mm

Mechanical dimensions:
H x W x D: 33 x 23 x 18,5 mm.

Protection: IP55

EMC:
Emission: EN 50081-1
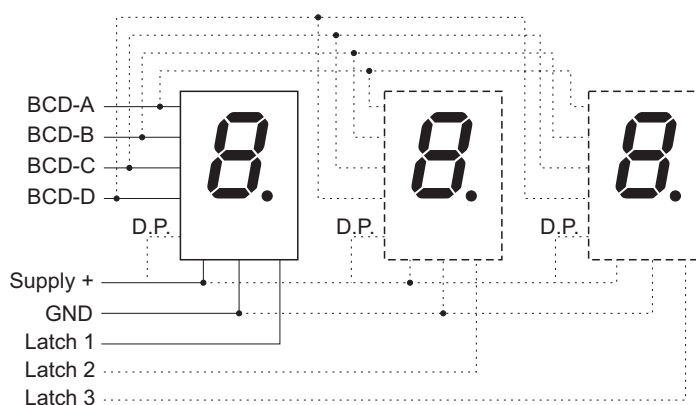Immunity: EN 50082-1

Connections: 8-wire cable, 2 m.

yellow: supply +
blue: supply GND
pink: latch
green: decimal point

black: BCD-code, A
violet: BCD-code, B
brown: BCD-code, C
grey: BCD-code, D

Installation:
The cable is led through a tube with PG9 thread. The display is installed through a 15 mm. hole, and fastened with the supplied nut.

Connection example:

In the above examle, 3 displays are connected in parallel.

Display codes:

Inputs				Display
A	B	C	D	
0	0	0	0	0
1	0	0	0	1
0	1	0	0	2
1	1	0	0	3
0	0	1	0	4
1	0	1	0	5
0	1	1	0	6
1	1	1	0	7
0	0	0	1	8
1	0	0	1	9
0	1	0	1	OFF
1	1	0	1	OFF
0	0	1	1	OFF
1	0	1	1	OFF
0	1	1	1	OFF
1	1	1	1	OFF

Ordering number: DT01-010

Comadan Produktion a/s