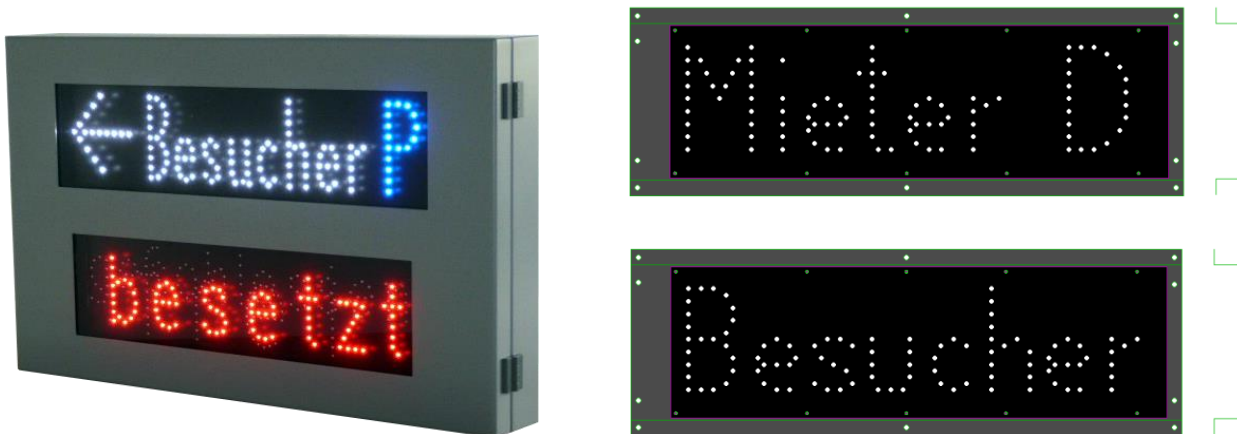


## COMPONENTS FOR PARKING GUIDANCE SYSTEMS



### Flextext, individual text LED display

#### Function

The LED display is designed on your wishes and can be implemented together with other displays in an information sign. Every LED will be positioned as requested, it is not a matrix LED display, it is not possible to change the text after production. The advantage of this solution is the consistent design of all LED signs and the use of our high intensity, for traffic purposes optimized LEDs. The integrated brightness control continuously adjusts the display, so that it will not glare in the night, but is on the other hand readable in direct sunlight.

#### Casing

The display is mounted in a perforated plate and a backplate, consisting of powder-coated aluminium. It can also be mounted in Indoor and Outdoor casings.

#### Connection

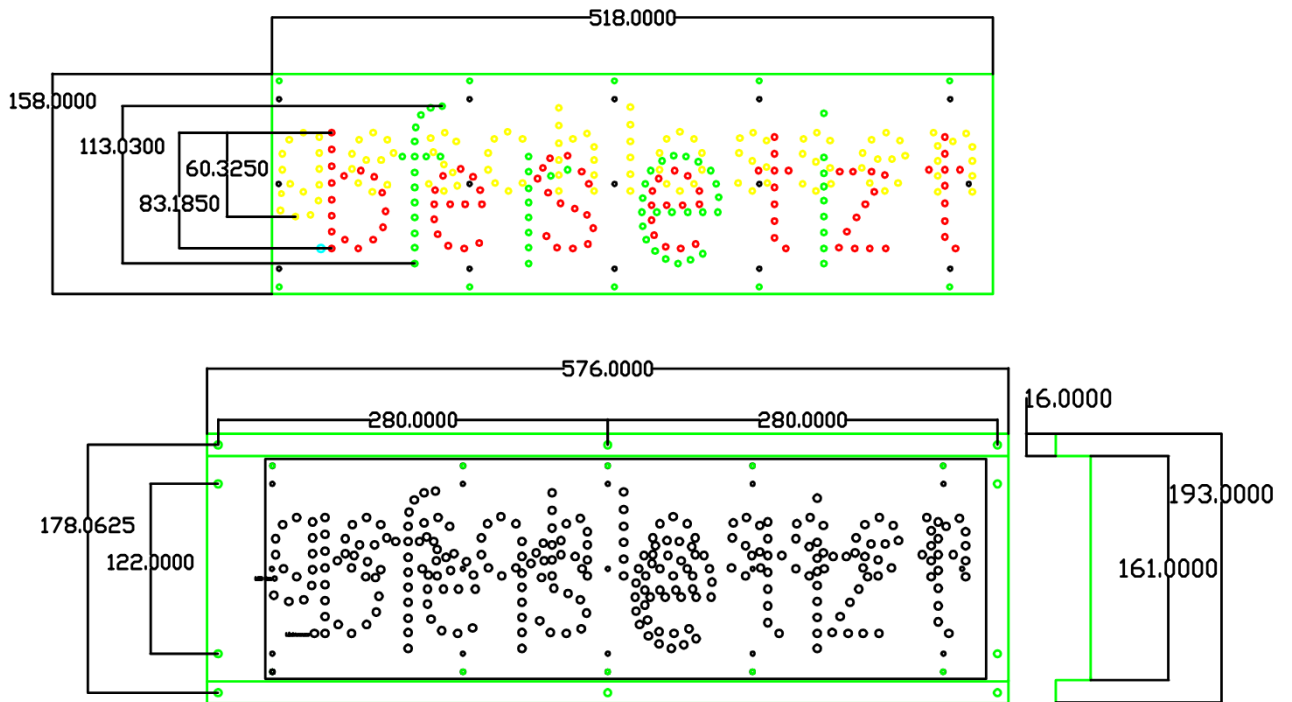
The electrical connection of the LED-display is realized by a 3-wire power cable and a 2-wire data cable for communication with the CUR Visual Control Software. The protocol is disclosed, so that other manufactures can control the LED module by their own system. Furthermore it is possible to control the sign via two potential free contacts.

#### Technical data

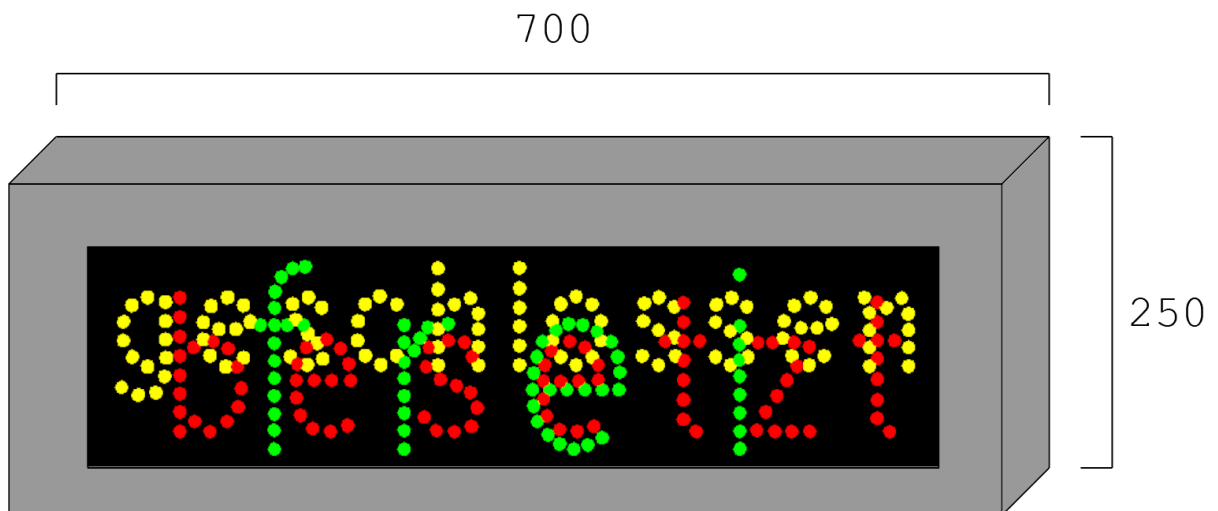
Power supply:	88 - 264 V AC Internal: 12 V DC
Operating temperature:	-20°C - +70°C
LED-color:	many colors possible
Luminous intensity:	100 – 500 cd, dependent on LED-Text
Radiation angle (I/2):	100° horizontal 40° vertikal
Power consumption:	< 25 W
Max. line resistance for potential free inputs:	500 Ω
Casing:	Powder-coated aluminum
Case color:	RAL7042
IP-protection class:	IP20 (Module) IP43 (Indoor casing) IP54 (Outdoor casing)
Optionen:	<ul style="list-style-type: none"> <li>- Two different texts possible, change between texts via potential free contacts or RS485</li> <li>- Variable length of modules</li> </ul>

## Flextext module sizes (standard size, can be varied)

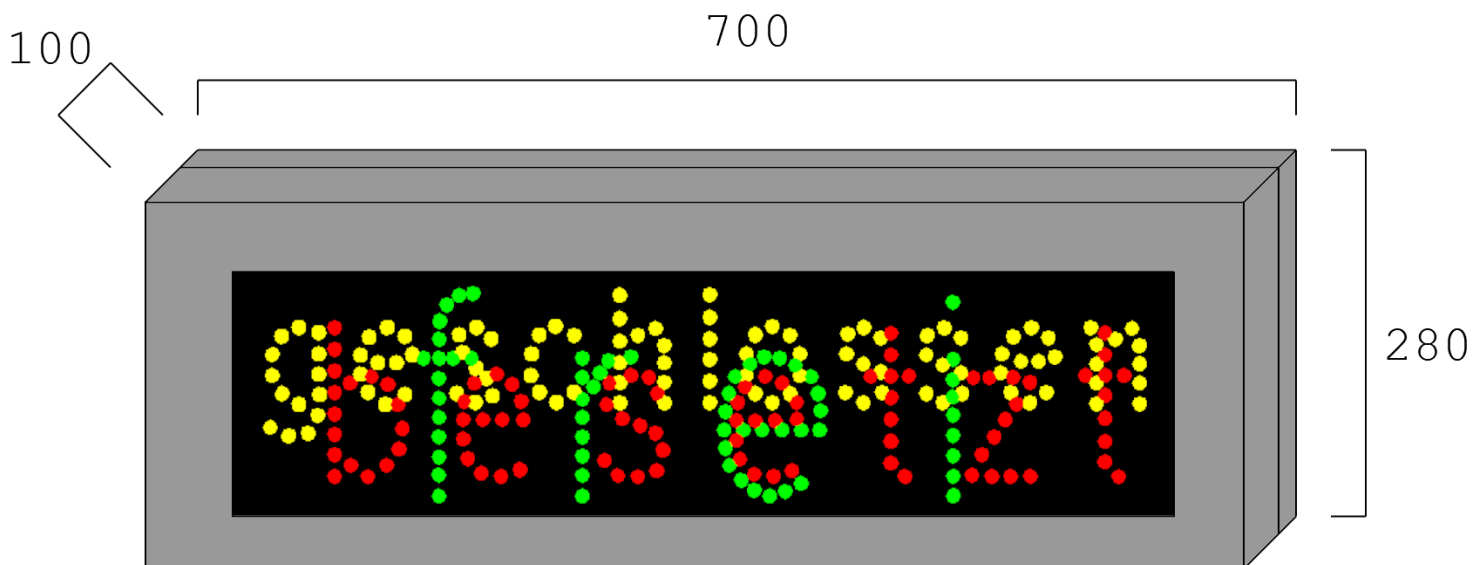
Sizes in mm



## Standard length in indoor casing

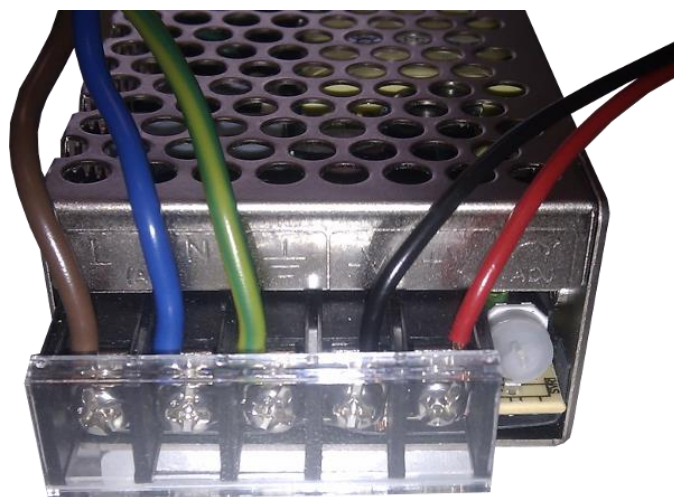


### Standard length in outdoor casing



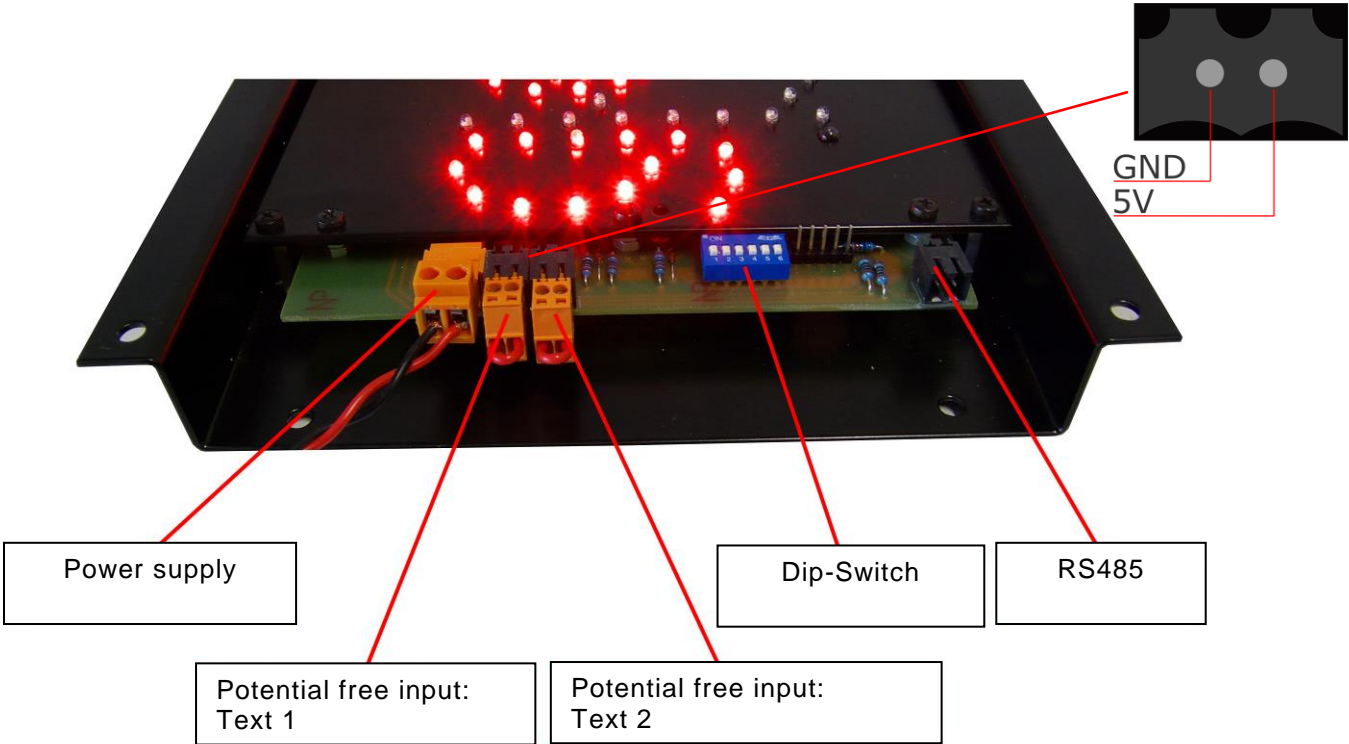
### Connections on the power supply

- 1 – AC/L
- 2 – AC/N
- 3 - Ground
- 4 – DC GND
- 5 – DC +12V
- 6 - Potentiometer to adjust the basic brightness



1 2 3 4 5 6

### Connections on the circuit board



## DIP - switch for address configuration

Switches 1 to 5 set the display's address using binary code (0 to 31). Switch 6 has to be turned off (0 = OFF).

Binary coded addresses

Switch 12345	Address	Switch 12345	Address	Switch 12345	Address	Switch 12345	Address
00000	0	00010	8	00001	16	00011	24
10000	1	10010	9	10001	17	10011	25
01000	2	01010	10	01001	18	01011	26
11000	3	11010	11	11001	19	11011	27
00100	4	00110	12	00101	20	00111	28
10100	5	10110	13	10101	21	10111	29
01100	6	01110	14	01101	22	01111	30
11100	7	11110	15	11101	23	11111	31

When switch 6 is switched on (1 = ON), it activates various tests and can be useful in starting operations and applying maintenance.

Switch 12345	Function
00000	Demo operation
100XX	Display straight arrow
010XX	Display left arrow
110XX	Display right arrow
001XX	Display red X
XXX00	Brightness: automatic
XXX10	Brightness: minimum
XXX01	Brightness: mid-level
XXX11	Brightness: maximum

## Mounting and Commissioning

- Open casing
- Drill suitable mounting holes in back part of casing
- Mount backside on the wall/pillar/ceiling and connect power supply
- Configure address via DIP-Switch
- Connect data cable and mount display front to the backside of casing.



**Cover the power supply while drilling holes in the back part. Steel shavings inside the power supply can lead to short circuits, malfunctions and electrical shocks.**