**SCHLEGEL** ®

**ELEKTROKONTAKT**

Fascinating Electrotechnics



# Flexitast
## The innovative display button

5-6-7 | Unique ZBD display

# Flexitast

The world's first display button with ZBD display

Flexitast, the revolutionary pushbutton with integrated display is offering versatile and dynamic display options. Being equipped with a 72 x 72 pixel ZBD display, specially developed for SCHLEGEL, and an WRGB backlight, Flexitast enables the flexible display of texts and symbols. Thanks to the special display technology, the screen content stays visible even without power connection. The elegant design and the fact that the display is protected by break resistant glass make the Flexitast an efficient and robust solution for a wide range of applications.

reddot winner 2025

→ **The advantages of Flexitast at a glance:**

- Special 72 x 72 pixel **ZBD display**

- Display size 26.5 x 26.5 mm (Visible surface 17 x 17 mm)

- You can start immediately, everything is **"out of the box"**

- **Robust construction**, display protected by break resistant glass

- **Flexible display** of texts/symbols

- **WRGB backlight**

- **Display content stays visible even without power connection**

- Excellent and homogenous **illumination and display even in sunlight**

- **No burn-in** of display content

- Integrated temperature sensor (display protection)

- Comfortable haptic and **tactile response**

- Elegant design

- **Sustainable and environmentally** friendly (no plastic nameplates necessary)

- **Saves time** and **costs** in procurement and storage (only one product necessary)

- More than 1 million switching cycles, degree of protection IP65,

  operating temperature -10 °C to 50 °C

# → Variants

> ### → Flexitast as <u>single button</u>
>
> The Flexitast as single button is controlled by an external system, for example by PLC or IPC.
> The controller can also record events such as pressing the Flexitast button or exceeding a
> critical value of a level indicator and adjust the Flexitast button accordingly.
> The symbol on the button can, for example, be changed or a flashing red background can be
> displayed as a warning.
> The configuration is carried out conveniently via the browser on a PC, which is connected to
> the Flexitast button via USB cable.
>
> #### Possibilities of configuration
>
> - Display content (graphic, symbol, text)
> - Illumination (on/off)
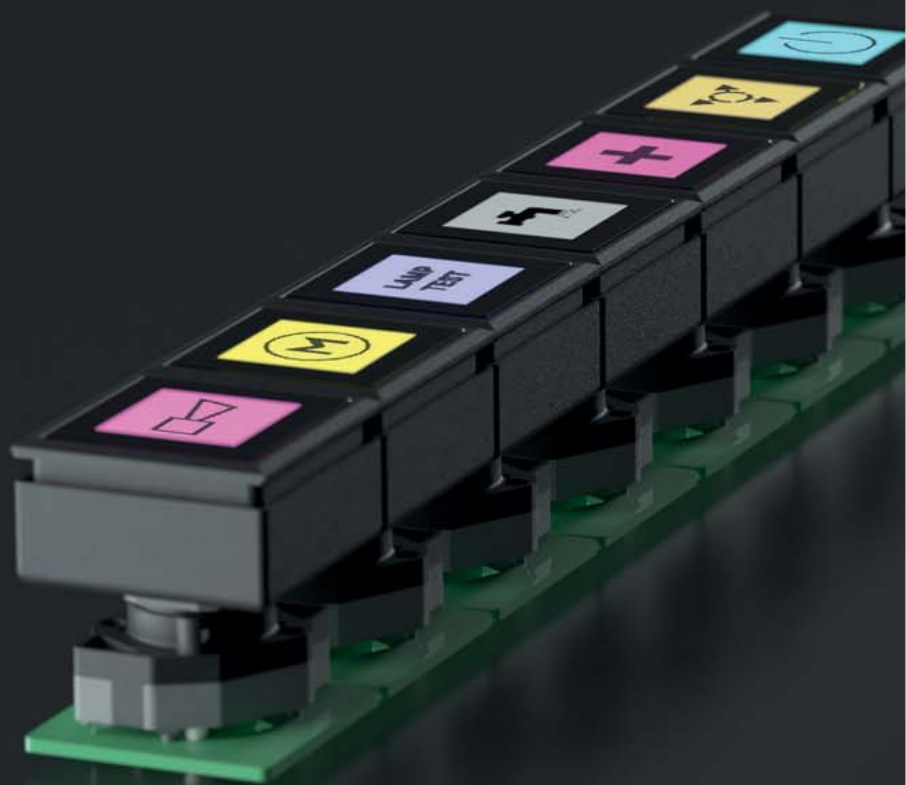> - Colours (full colour spectrum)

Configuration
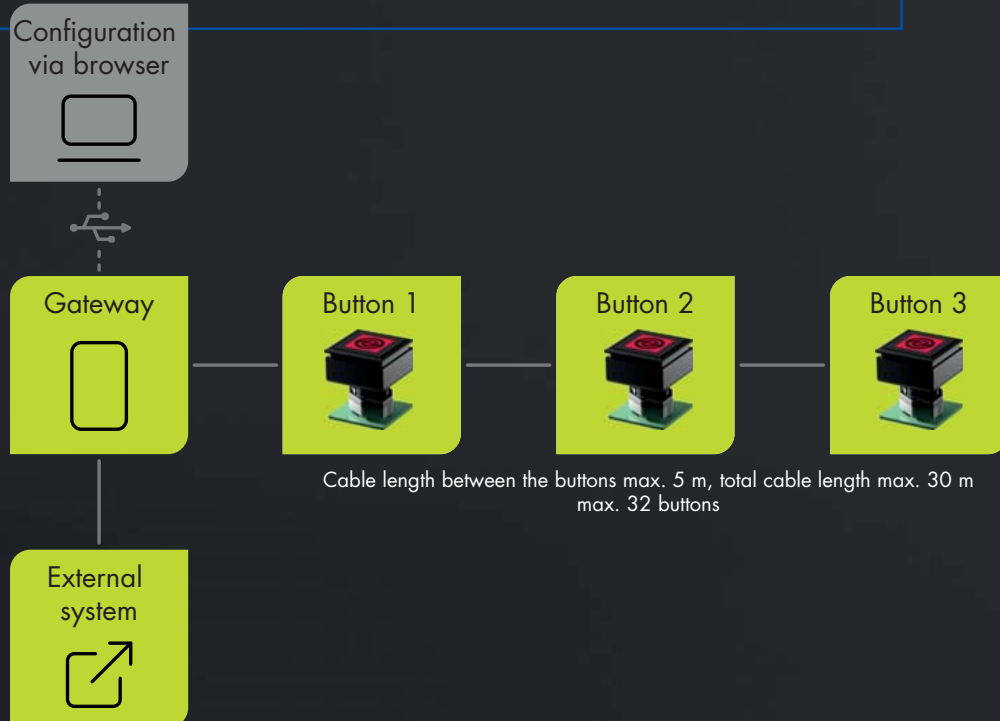via browser

Button

External
system

## → **Flexitast as a <u>system</u>**

In a system, control via various systems is possible, for example PLC/IPC, bus system, Industrial Ethernet or via Schlegel´s modular bus system (MBS). The Flexitast gateway controls the communication and parameterisation of up to 32 Flexitast pushbuttons and additionally acts as the interface to the external system.
 Events can be recorded via the external system and are transferred to the gateway, for example to change the symbol for a specific Flexitast button, to make several ones flashing, or to change the background colour of all connected buttons. The specific applications can be very diverse: be it changing the texts in different languages before delivery to the customer or an active warning in critical situations using red flashing warning symbols.
Each Flexitast button is connected to the next via a cable, whereby the maximum distance between two buttons is 5 meters and the total length of the connection can be up to 30 meters. The configuration is done via the browser on a PC that is connected to the gateway via USB cable.
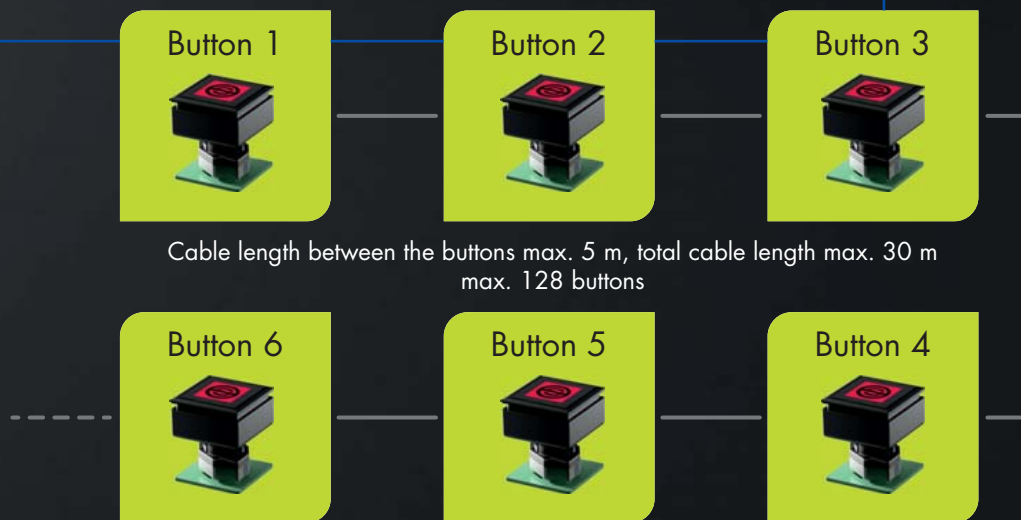
**Possibilities of configuration**

- Display content (graphic, symbol, text)
- Illumination (on/off)
- Colours (full colour spectrum)
- Additional features are possible for customised variants

Configuration via browser

Gateway     Button 1     Button 2     Button 3

Cable length between the buttons max. 5 m, total cable length max. 30 m
max. 32 buttons

External system

## → Flexitast customised

The customised version of Flexitast offers maximum flexibility in adapting to individual requirements. The configuration and control of the buttons is carried out according to the customer's wishes, whereby additional functions and interfaces can be easily implemented. This allows to optimally integrate the Flexitast buttons into existing systems and processes to display both, texts and symbols. This tailor-made solution enables perfect adaptation to specific applications and requirements.

Button 1

Button 2

Button 3

Cable length between the buttons max. 5 m, total cable length max. 30 m
max. 128 buttons

Button 6
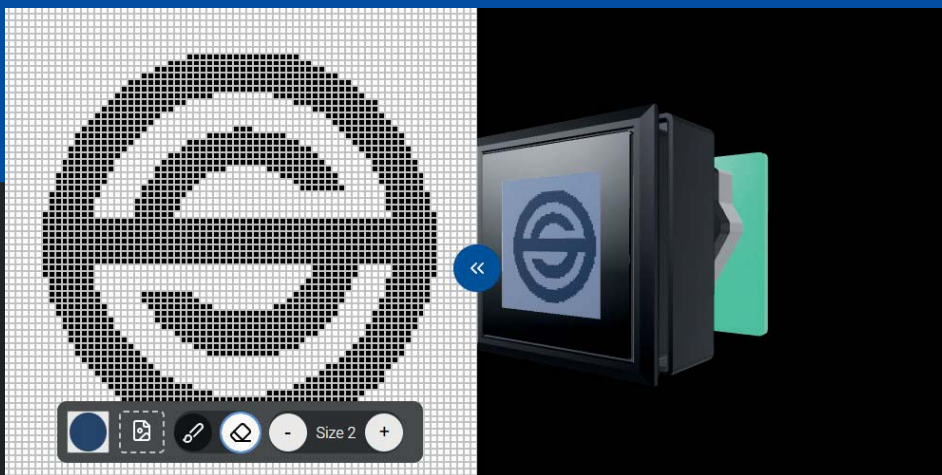
Button 5

Button 4

# → Configuration

## → simple, intuitive configuration

All types of Flexitast buttons can be configured via web browser. To do this, the individual button or the gateway of the Flexitast system is connected to a web-enabled device via USB cable and uploaded into the frontend. Once the connection to the Flexitast or gateway is established, the individual button or the system can be configured.

**The following options are available:**

- Assigning of graphic, symbol or text
- Illumination on or off
- Assigning of background colour
- All Schlegel standard symbols are available
- You can also upload and activate your own symbols

Demo configurator under
**flexitast.schlegel.biz**

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