

Info sheet

Demo Flex Membrane Switch

- › Flexible membrane switch with different surface structures
- › Keys with embossing, GT technology, and different pressure points
- › Display window with OCA-bonded filter screen



Our demo Flex keypad shows the possibilities available for modern membrane switches – visually, haptically, and functionally.

The graphic overlay consists of clear **EBG polyester film** with a printed surface structure. This allows shiny, clear, and textured areas to be combined in a single user interface.

As with all our membrane switches, the **structure** comprises six layers: graphic overlay, adhesive, dome retainer, spacer, conductor track film, and rear adhesive. In addition, integrated **EMC shielding** is installed for increased requirements. The assembled status LEDs can be easily integrated into the film structure thanks to the low installation height.

Frames, lens embossing, and surface embossing enable optimal **finger guidance**. The molded key cap (GT technology) provides an elegant shine and a particularly pleasant feel.

The pattern also demonstrates diversity in terms of feel: integrated contact springs with key pressure points from **1.5 to 4 N** offer different tactile feedback. A key without a contact spring (silver-silver switch) is also integrated.

The **display window** is clear and laminated onto a filter screen with highly transparent adhesive. This protects the display from environmental influences and mechanical stress and can improve the visual presentation.

For flexible country variants, the sample includes a slot for interchangeable **insert strips**. These can be easily inserted from the back.

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1. Clear EBG film with printed structure
2. Clear display window with OCA-bonded filter screen (note: protective film attached to the back!)
3. Silver-silver switch
4. Insert pocket (insert strip can be threaded through the back)
5. Membrane switch structure including EMC shielding
6. Status LEDs
7. Keys with embossed frame
8. Glossy keys with embossed surface
9. Keys with different pressure points
10. Key with GT
11. Insertion strip
12. Back: Connection strip membrane switch for ZIF connector
13. Back: Connection strip EMC shielding

