

Touch panels

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The ability to input data through a touchscreen is continuing to become more important in every area of automation. Touch panels integrate touchscreen monitors in a component carrier, which usually contains other control elements. This is particularly necessary in industry and medical engineering, as touchscreen functionality alone does not cover all the necessary control functions.

Plastic or metal carriers are used for touch panels. They either accommodate a touch monitor or a touch display or a separate touchscreen and screen. We can also integrate a front glass panel to protect the touchscreen surface. Stand-alone touch solutions are one option – but it is also possible to integrate other components like switches, buttons, keyboards, touchpads, joysticks, trackballs, rotary dials or signal generators like LEDs.

We can ensure that the surface of a panel is completely flat; there is then no perceptible change between the touch surface and the technology carrier. This is necessary in medical engineering, for example, where operators must be able to clean any equipment completely. The degree of protection also plays an important role. It is even possible to achieve a degree of protection of IP69k in certain circumstances.

Technology

- Robust carrier material made of plastic or metal
- Various coatings and overlays
- Accommodating all sizes of monitors and displays
- Accommodating touchscreens using almost any technology
- Accommodating other control components
- Flush-mounted workmanship
- Incorporating acoustic and optical signal generators
- Attractive surface designs

Benefits

- Individual outline and design
- Integrating all sizes of monitors and touchscreens
- Combining them with other control elements

Fields of application

- Industrial automation
- Medical engineering
- Technical building services
- Traffic and transport
- Self-service systems

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