



Design Study: Flexible user interface in 3D

Automotive, Medical



Terms of reference

- Closed flexible button cover
 - o Water-resistant
 - o Dustproof
 - o Abrasion-proof
 - o Resistant to cleaning agents
- Force-load specification
- Good handling haptics and finger guidance
- Day-night design with homogenous illumination
- Integration in the centre console, 3-D contour
- Constant haptics from -40°C to +85°C
- Reduction in number of components

Implementation

- Switch cover with integrated, flexible and gap-free surface
- Integrated button guidance
- Protection of electronics by means of a closed surface
- Laser-inscribed symbols
- Extremely abrasion-proof surface protection lacquer
- Switch function via button tappet on a switch board or snap discs

Company data / facts

- Many years of application and process know-how
- Application support on the spot
- Quick samples and series delivery thanks to in-house tool construction
- Short optimisation loops
- Customer-friendly logistics, local and worldwide warehousing, consignment warehouse
- TS16949, ISO14001

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