

## DATA SHEET

# GT technology

We have given the flat membrane keyboards key domes, allowing you to feel where the key functions can be activated. This makes even blind operation possible.

### Advantages of the GT keyboard technology

- Unique concept possibilities in design such as mounting the laminar domes not only over the keys but also over company logos, displays, LEDs etc.
- Extremely high mechanical and chemical key durability
- Optimum finger guidance
- Quicker serviceability
- Good tactile feedback
- User-friendly key surface, pleasant to the touch

### Special characteristic

- Damage to the dome caused by mechanical strain reverts back to original state after a short time. A plastic dome is mounted on the design foil membrane which evenly distributes the forces affecting the key, allowing the contact fields to switch reliably even in the most extreme conditions.

### Technical Data

■ Electrical characteristic values	Circuit design and electrical characteristic values accord with commercial keyboard constructions
■ Actuation force	Dependent on height and diameter of the dome 3 - 7 N
■ Key distances	Spacing from 16 mm Should the design foil membrane be adhered between the individual keys, the minimum distance is as follows: Ø from dome plus 8 mm = minimum spacing e.g. Ø dome=12 > spacing 20 mm
■ Climatic characteristic values	Operating temperature: -20 °C to +70 °C Storage temperature: -40 °C to +70 °C
■ Keyboard thickness	Approx. 2 mm
■ Dome height	1,0 ± 0,5 mm, dependent on key geometry Tolerance of the dome height ± 0.2 mm
■ Key geometry	In principle, any key form is possible
■ Dome hardness	75 Shore
■ Front membrane foil	Polyester matt and glossy

Version 1.0 - Date: 09/01/2010



None of the features in any technical data are guaranteed, but may deviate dependent on customer-specific design.