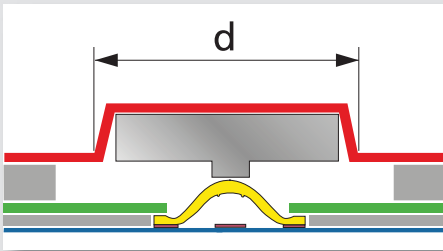


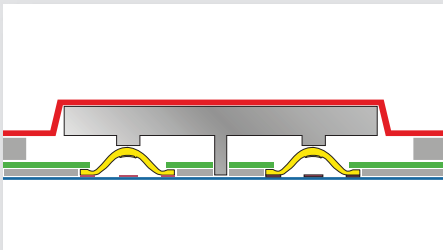
Improved haptic and operability: Profiline

The so-called "short-stroke" feeling considerably improves the input interface, including for keys with extremely small or extremely large surfaces. This is guaranteed by the highly-tactile, robust key element which is fitted between the snap dome and front membrane. In addition to providing better feedback, the Profiline key areas are also extremely robust. The integrated acrylic inlay gives protection against dust and moisture and also protects the snap dome against possible deformation. Not even heavy point-specific pressure can damage the key areas.



ADVANTAGES:

- Very good tactile feedback
- Tactile feeling to the key element
- Optimal force distribution means less pressure on the snap dome
- Ideal finger guiding
- Large-surface keys and contact elements can be manufactured
- Freedom of design for the key shape



Profiline technology:

Electrical characteristics:

Voltage	1 – 42 VDC
Consumption	≤ 100 mA
Isolation resistance	> 100 m Ω
Contact bounce time	< 10 ms
Contact element	Snap dome, gold-plated

Mechanical characteristics:

Key geometry	can be designed as required
Key size (d) min.	≥ Ø 8 mm / 8 x 8 mm cornered / corner radii ≥ 1.0 mm [preferably: R 2.0 mm]
Max. key size	260 x 360 mm
Clearance (a) from embossing edge to embossing edge	≥ 10 mm with circular embossing [preferably: 16.0 mm] ≥ 11 mm with parallel embossing edges
Installation height for keypad	1.4 – 1.6 mm (depending on construction) [preferably: 1.6 mm]
Key height	1.0 – 1.5 mm (standard 1 mm), tolerance + 0.2 mm
Actuating force	3 – 5 N
Switch force	> 1 mio.
Operating temperature	–20 °C to +70 °C (storage temperature –40 °C to +80 °C)
Membrane polyester; polycarbonate	PETP; PC (blend)
Chemical resistance	List available on request

