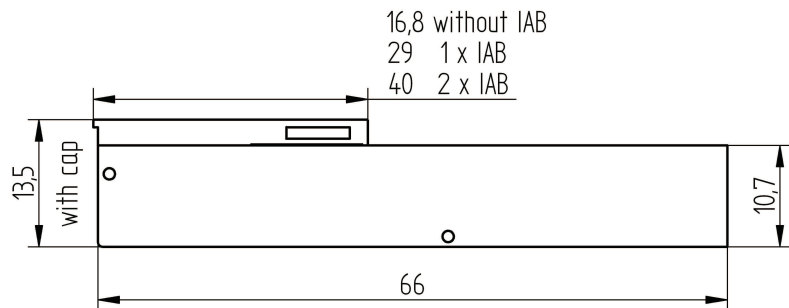
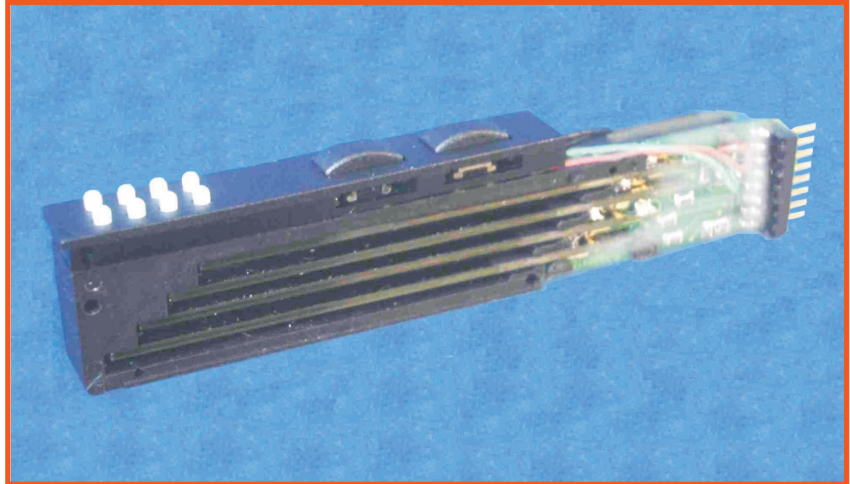


Modul B12

Dimensions

Description

Data



Braille-cell with 8 dots, driven by piezo-actuators (bending type). Flat or concave tactile surface and integrated drive electronic. Fast type. 0, 1 or 2 integrated interaction buttons (IAB), (see data sheet "caps B12").

Dimensions (w x h x d): 6.42 x 10.7 x 66 mm
Dot spacing: 2.45 mm
Dot stroke: ca. 0.7 mm
Cell spacing: 6.42 mm

Use of metal tray is recommended

Tactile force: min. 17 cN

Connector: SIL 1,25 mm, 8 pins

Drive electronic: Low-power ASIC-electronic on PCB, with integrated IA-button data processing.

Modul B12

Data

Power requirements:

5 V $\pm 10\%$: 5 μ A typ. per cell (with static driven signals, no key pressed)

200 V $\pm 10\%$: Absolute max. rating 240 V
0,5 μ A typ. per cell,
max. 20 μ A per cell

Dot rising time: 24 ms

Max. Transition time
clock & strobe: 100 ns

Max. clock speed: 500 kHz

Data sequence: 4 1 6 5 8 2 3 7 Braille-dot
(Bit 0..7) sequence

Connector pinning:
(top to bottom)
+ 5 V
Data out
Data in
Strobe
Clock
GND
(unused)
200 V

Average piezo actuations: $> 10^9$

Environmental Specifications:

Operational: Temperature 10 °C to 40 °C
Humidity 10 % - 70 % RH non
condensing

Storage: Temperature -15 °C to 60 °C
Humidity 5 % - 95 % RH non
condensing

Accessories: Metal trays
Passive Backpanel
Caps

Specifications are subject to change without notice.