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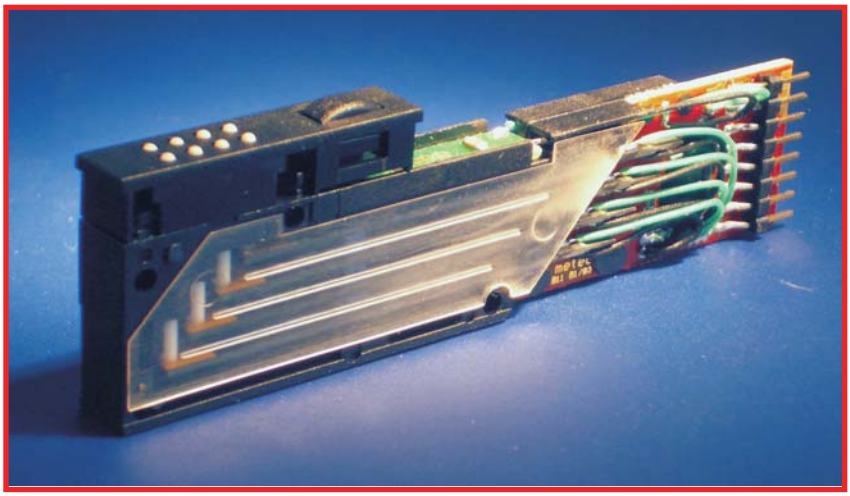
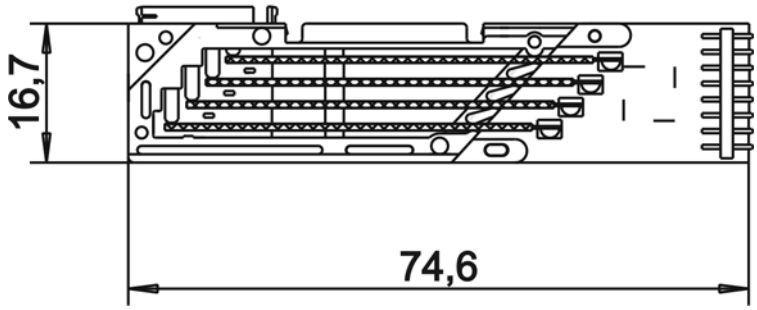
INGENIEUR-AKTIENGESELLSCHAFT · MEDIZINTECHNIK · FEINWERKTECHNIK

Modul B11



Dimensions



Description

Braille-cell with 8 dots, driven by piezo-actuators (bending type). Flat or concave tactile surface and integrated drive electronic.
2 heights of tactile caps available (4 and 5,5mm; see data sheet “caps B11”).
0, 1 or 2 integrated interaction buttons.
Fast type.

Data

Dimensions (w x h x d):	6.42 x 16.7 x 74.60 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 2.0 mm, 8 pins
Drive electronic:	Low-power ASIC-electronic on PCB, with integrated IA-button data processing.

B11B11-1

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Modul B11

Data

Power requirements:	
5 V +-10%:	5µA typ. per cell (with static driven signals, no key pressed)
200 V +-10%:	Absolute max. rating 240 V 0,5 µA typ. per cell, max. 20 µA per cell
Dot rising time:	24 ms
Max. Transition time clock & strobe:	100 ns
Max. clock speed:	500 kHz
Data sequence: (Bit 0...7)	1 2 3 4 5 6 7 8 Braille-dot 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 % - 90 % RH non condensing
Accessories:	Metal trays Passive Backpanel Caps

Certificate of RoHS compliance of all parts in this cell.

Specifications are subject to change without notice.

B11B11-2

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