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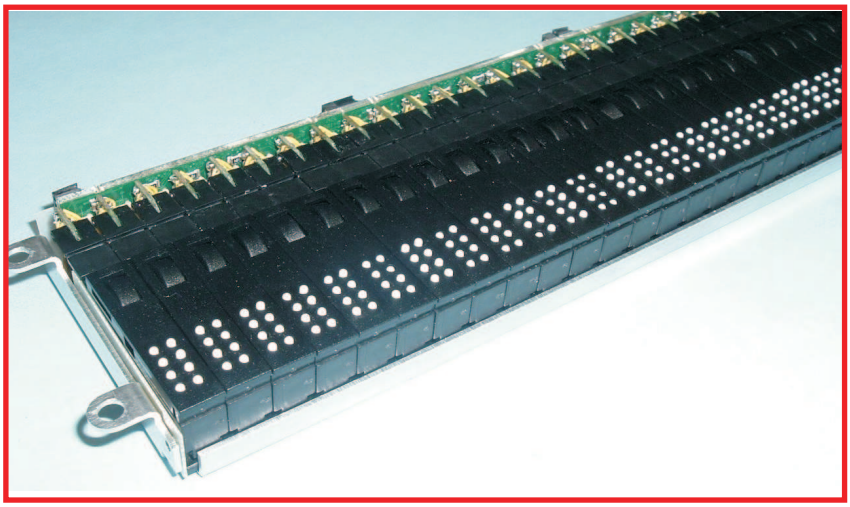
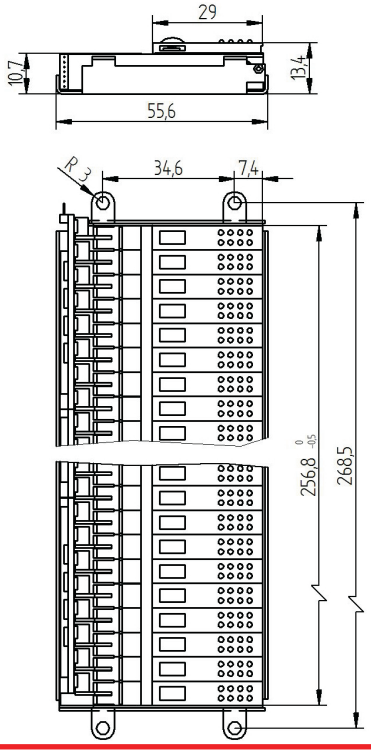
INGENIEUR-AKTIENGESELLSCHAFT · MEDIZINTECHNIK · FEINWERKTECHNIK

Braille-line P20 40 Cell



Dimensions



Description

Braille-line with 40 x P20 Braille-cells with 8 Dots, driven by Piezo-actuators (bending type). Active Backpanel for 8 cells each, steckable. Flat or concave tactile surface without or with one inter-action button possible (datasheet Caps B12 one interaction button, PCB with interaction switches are not included)

Data

Dimensions (w x h x d):	284,5 x 55,6 x 13,4mm (with cap)
Dot spacing:	2.45 mm
Dot stroke:	ca. 0.7 mm
Cell spacing:	6.42 mm
Tactile force:	min. 17 cN

L40P16 G01-1

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Braille-line P20 40 Cell

Data

Connector:	Pin header, 1,27mm pitch, 7 pol. pin 0,4mmSQ
Drive electronic:	Low-power ASIC-electronic on
aktive backpanel (5pcs. 8	channel)
Power requirements:	
3,3 - 5 V +-5%:	max. 10mA
	500µA typ. for 40 Braille-cells
(with static driven signals)	
200 V +-5%:	current limitable to 4mA
	many simultanious dot changes
draws higher puls current	
	Absolute max. rating 215 V
	Static driven: 20 µA typ. max.
800µA for 40 Braille-cells	
Dot rising time:	50ms
Max. Transition time clock & strobe:	125 ns
Max. clock speed:	500 kHz
Data sequence:	40 x 7 8 3 2 1 6 5 4 Braille-dot sequence
Connector pinning: (top to bottom)	+ 200 V Data in Strobe Clock GND (unused) 5 V

Average piezo actuations: > 10^9

Environmental Specifications:

Operational:	Temperature 10 °C to 40 °C
	Humidity 10 % - 90 % RH non condensing
Storage:	Temperature -15 °C to 60 °C
	Humidity 5 % - 95 % RH non condensing
Accessories:	USB-Interface with 185V DC/DC converter
	connecting Cable Backplane 200mm (Connector DF13-7S-1,25)

avaliable also as 20 cell Braile-line or in each dimension up to 80 Braille cells (Datasheets Braille-Cell P20, Caps B12)

other Types

L40P16 G01-2

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