

# Bourns PEC11-series detented encoders (From SmashTV)

Encoder mode: "DETENTED2", 24 steps per turn

Pinout: <http://www.avishowtech.com/mbhp/images/encspecs17.gif>

Note: the rightmost picture is "top down" (as seen from the top of the encoder looking down to the shaft)

pin "A" goes to D1

pin "C" goes to Vs

pin "B" goes to D0

(This means that, encoder C pin is "common". Encoder B pin goes to lower numbered DIN pin (of two pins assigned to that encoder) and encoder A pin to higher numbered DIN pin.)

the detent can be removed

Thanks go to:

mandingo: <http://www.midibox.org/forum/index.php?topic=3843.msg25094#msg25094>

jdutcher: <http://www.midibox.org/forum/index.php?topic=3911.msg25766#msg25766>

xcoulonx: <http://www.midibox.org/forum/index.php?topic=3299.msg23699#msg23699>

## Encoders from VOTI ([www.voti.nl](http://www.voti.nl))

M-SW-ROT, detented rotary encoder

Encoder mode: "DETENTED2", 24 steps per turn

pinout: <http://www.voti.nl/docs/rotary-encoder.jpg>

if you view the encoder from the top with the pins pointing towards you;

left pin goes to D1 (highest numbered din pin)

middle pin goes to D0 (lowest numbered din pin)

right pin goes to Vs (ground)

the detent can also be removed

# Encoders from Pollin

Pollin (<http://www.pollin.de>) has cheap encoders with button;

Encoder mode: "DETENTED", 16 steps per turn

see:

<http://www.pollin.de/shop/shop.php?cf=detail.php&pg=NQ==&a=Njg2OTU3OTk=>

<http://www.midibox.org/forum/index.php?topic=6693.0> (german)

<http://www.midibox.org/forum/index.php?topic=7140.0>

Pin connection is (laying the encoder before you, cap pointing towards you, pins on top):

0: GND (button)

1: pin A (eg D0)

2: GND (enc)

3: pin B (eg D1)

4: pin C (button, eg D2)

From:

<http://www.midibox.org/dokuwiki/> - **MIDIbox**

Permanent link:

[http://www.midibox.org/dokuwiki/doku.php?id=encoder\\_specifications&rev=1163108721](http://www.midibox.org/dokuwiki/doku.php?id=encoder_specifications&rev=1163108721)

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