



## **BERNSTEIN Analog Switching Modules**

For use in foot switches and position switches

# BERNSTEIN

## Analog foot switches and position switches

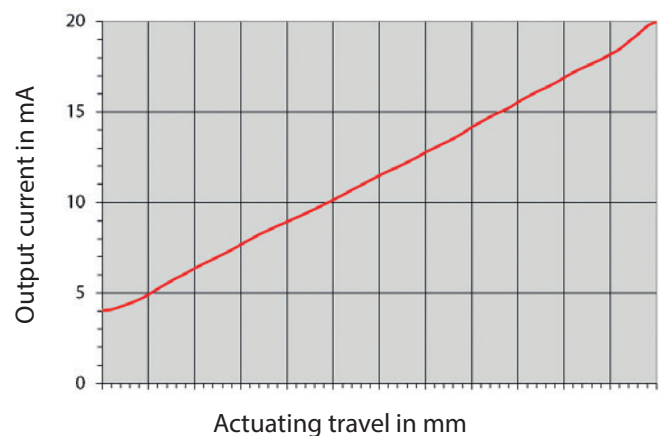
The newly developed analog switching module has an analog output signal which is proportional to the actuating position.

Depending on the application, an **analog current output (0–20 mA or 4–20 mA)** or an **analog voltage output (0–5V or 0–10 V)** are possible.

Furthermore, the switching block is equipped with a programmable **PNP signal output**. The signal output switches into the pre-determined switching position which can be modified and adjusted at any time.

The analog switching module has a linearly increasing analog output signal.

The output signal of the 4–20 mA version is shown here:



**The analog switching block can be used in foot switches, position switches or limit switches.**



## Use in foot switches

The analog switching module in **foot switches** has an output signal that is proportional to the pedal position.

For example, this function is important for speed regulation of different machines.

In this case, the PNP signal output signals the achievement of the rated speed.

## Use in position switches

When using **position or limit switches**, an output signal that depends on the switching position is generated. The querying of the actual switching position is at any time possible. A flexible and application-specific setting of the switch point is made by the PNP signal output.

### Ordering information Analog Foot switches

Article number	Designation	Special feature
6161500723	F1-AU0-5	Analog voltage output 0–5 V
6161500724	F1-AU0-10	Analog voltage output 0–10 V
6161500725	F1-AI0-20	Analog current output 0–20 mA
6161500726	F1-AI4-20	Analog current output 4–20 mA
6161000727	F1-AU0-5 UN	Analog voltage output 0–5 V Protective hood UN
6161000728	F1-AU0-10 UN	Analog voltage output 0–10 V Protective hood UN
6161000729	F1-AI0-20 UN	Analog current output 0–20 mA Protective hood UN
6161000730	F1- AI4-20 UN	Analog current output 4–20 mA Protective hood UN

### Ordering information Analog Position switches

Article number	Designation	Special feature
6187017116	ENM2-AU0-10 Riv	Analog voltage output 0–10 V
6121035986	GC-AI4-20 AH	Analog current output 4–20 mA
6133003036	SN2-AI4-20 w	Analog current output 4–20 mA



**Switch systems –  
Economy meets safety**



**Sensor systems –  
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Function and design**

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