

# VakuumSwitchNews

Vacuum made to measure, perfectly controlled: Reliable FIPA components:  
Day and night – and reliable even if there's only limited space.

## Digital Vakuum Switch Mini 20.040



This **Mini vacuum switch 20.040** is designed for system controlling and can be utilized in all sectors of automation by vacuum – especially in mounting situations with only a limited amount of space. The switch fits perfect into the most varied industrial applications, robotics etc.

### Benefits.

- > For high accelerations
- > Swift switching operations possible
- > Setpoint adjustable freely manually
- > LED switch indicator
- > Any desired positioning possible
- > Mountable directly to the suction cup
- > Contributions with many connection types possible

### Characteristic.

Measuring range: digital 0 to -1 bar

Max. positive pressure: 2 bar

Permissible media:

dry air and neutral gase

Output signal:

1 x PNP open collector, 80 mA max.

Switch logic:

Signal **on** with rising vacuum,

Signal **off** with falling vacuum

Switch indication:

LED-red for Output signal (on)

Setpoint:

adjustable with Potentiometer 100% F.S

Hysteresis: 2% F.S. maximum

Switching frequency: 1.000 Hz

Temperature: -10 to +50° C

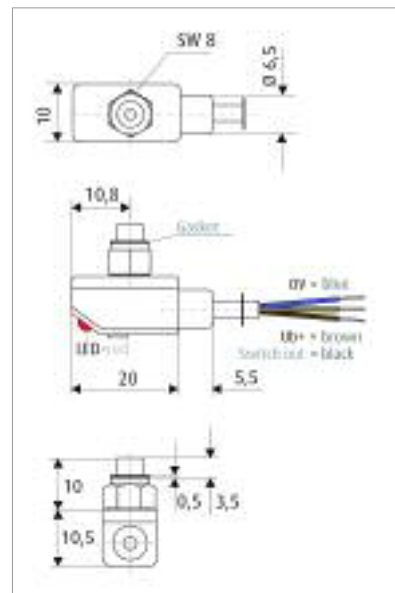
### Mechanics.

Weight: approx.. 5 g

Electrical connection:

cabel 3 pin (VC), 1,5 mm

Medium connection: M 5 male



### Electrics.

Operating Voltage:

10,8 VDC bis 30 VDC incl. ripple

Current consumption: 20 mA

Repeat accuracy:

+/- 3% F.S. at 0 to 50°C

Test voltage: 500 AC 1 min

Insulation resistance: >100 megaohm

### Enviroment.

Mounting: optional

Degree of protection: IP 40

Material housing:

plastic Polycarbonate (PC)

Material port :

stainless steel/plastic (PPS)

EMC-EMI :

EN 55011 Group 1 Class B (1998)

EMC-EMS: EN 61326 - (1997)/ A1 (1998)

Shock resistance:

1000 m/s<sup>2</sup> XYZ each 3 times

Endurance limit:

10 bis 55 Hz, 1,5 mm, XYZ 2 Std.