

# Vacuum/pressure switch with display

## VS-V-D-NPN M8-4

Part no.: 10.06.02.00055

<https://www.schmalz.com/10.06.02.00055>



Homepage > Vacuum Technology for Automation > Vacuum Components > Switches and System Monitoring > Electronic Vacuum/Pressure Switches > Vacuum and Pressure Switches VS-V/P-D > VS-V-D-NPN M8-4

## Vacuum/pressure switch with display and two digital output signals



Measuring range: -1.0 ... 0.0 bar

Shape: With digital display

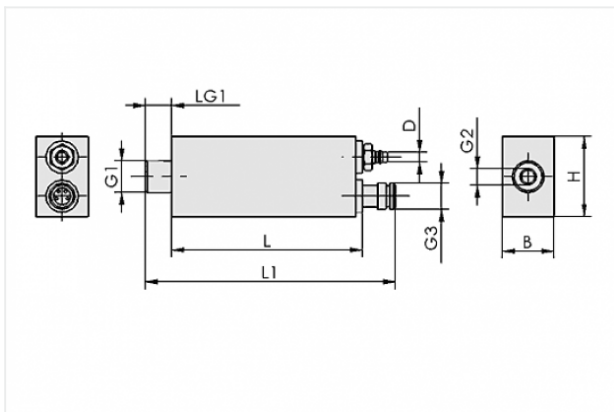
Type: Switches to minus

Electrical connection:

Male connect M8, 4 pole

Inputs/outputs: 2 digital

## Design Data



Attribute	Value
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B	16 mm
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G1	G1/8"-M
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G2	M5-F
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G3	M8x1-M
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H	24.7 mm
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L	58.5 mm
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L1	75.5 mm
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LG1	8 mm
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## Technical Data

### Contact to Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Straße, 72293 Glatten, Deutschland | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

Attribute	Value
Type	NPN
Measured medium	Non-aggressive gases; dry, oil-free air
Measuring range	-1.0 ... 0.0 bar
Overpressure resistance	5 bar
Repeatability	± 1% of full-scale value
Hysteresis	Adjustable: 0 to 100% of set value or comparator mode
Inputs/outputs	2 digital
Switching capacity (max)	180 mA
Indication	2xLED
Display resolution	0.01 bar, 5 mmHg, 0.2 inHg, 1 kPa
Display units	bar, mmHg, inHg, kPa
Measured-value display	3-digit 7-segment LED
Electrical connection	Male connect M8, 4 pole
Voltage	10.8-30V DC
Current consumption	30 mA
Protection	IP 40/65 (with hose)
Temperature influence	± 3% of full-scale value in the range 0 to 50°C
Ambient temperature	0 ... 50 °C
Weight	25 g

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## Accessories

### Contact to Schmalz



**ASK B-M8-4 5000 K-4P**

Part no. 10.06.02.00031

Connection cable

Interface Connection cable:

Fem connect M8, 4 pol

Cable length: 5000 mm

Interface Connection cable: Cable 4

Material: PUR-Cable



**ASK WB-M8-4 5000 K-4P**

Part no. 10.06.02.00032

Connection cable

Interface Connection cable:

Elbow fem con M8, 4 pol

Cable length: 5000 mm

Interface Connection cable: Cable 4

Material: PUR-Cable



**BEF-WIN 18x22x59 1 VS**

Part no. 10.06.02.00061

Mounting bracket

Width B: 18 mm

Height H: 22 mm

Length L: 59 mm

Wall thickness s: 1 mm

for: Vacuum switch