

# Vacuum and Pressure Switches VS-V/P-W-D-K-3C-D

Measuring range from -1 bar to 10 bar



Vacuum and Pressure Switches VS-V/P-W-D-K-3C-D

## Design

- Electronic switch in a stable plastic housing made from polycarbonate
- Switch with three-color, 7-segment dual display
- Connection of measuring medium with external thread G1/8" or internal thread M5
- Hysteresis and comparator mode
- 2 m connection cable
- Mounting bracket and mounting frame available as accessory for switch panel mounting

## Suitability for industry specific applications

### Application

- Vacuum and pressure switch for use in vacuum and pressure systems for process monitoring and optimizing cycle times
- Creating control circuits to improve the efficiency of systems
- The switch can be mounted in panels due to its cubic construction; optional mounting frame with a transparent protective cap
- Installation in handling systems directly at the site thanks to minimal size and low weight

### Product highlights

- Intelligent menu structure reduces installation effort and simplifies settings
- Automatic switching point adjustment determines optimum switching points based on the process sequence
- Anti-chattering with adjustable response times stabilizes switching output even with pressure fluctuations

 Designation code Vacuum and Pressure Switches VS-V/P-W-D-K-3C-D

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## 1 – Abbreviated designation

Code	Version
VS	VS

## 2 – Measuring range

Code	Measuring range in bar
V	-1 to 0
P10	0 to 10

## 3 – Design

Code	Type
W	Cube shape

## 4 – Display

Code	Type
D	Digital display

## 5 – Switching function

Code	Type
NPN	Switches to minus
PNP	Switches to plus

## 6 – Cable

Code	Cable
K	Cable

## 7 – Display

Code	Type
3C-D	Three-colored display

Vacuum and pressure switch VS-V/P-W-D-K-3C-D is delivered as a ready-to-connect product.

Available accessories: mounting bracket, mounting frame

## Ordering data Vacuum and Pressure Switches VS-V/P-W-D-K-3C-D

Type	Part no.
VS-V-W-D PNP K 3C-D	10.06.02.00678
VS-V-W-D NPN K 3C-D	10.06.02.00679
VS-P10-W-D PNP K 3C-D	10.06.02.00680
VS-P10-W-D NPN K 3C-D	10.06.02.00681

## Ordering data Accessories Vacuum and Pressure Switches VS-V/P-W-D-K-3C-D

Accessories	Part no.	
Mounting bracket	BEF-WIN 20x43.5x29.5 1.5	10.06.02.00685
Mounting bracket	BEF-WIN 30x43.5x29.5 1.5	10.06.02.00686
Mounting frame	EINB-RAx8.5x30 VS	10.06.02.00427

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### Technical data Vacuum and Pressure Switches VS-V/P-W-D-K-3C-D

Type	Measured medium	Measuring range [bar]	Max. overpressure safety [bar]	Hysteresis	Inputs / outputs	Switching capacity max. [mA]
VS-V-W-D PNP K 3C-D	Non-aggressive gases; dry, oil-free air	-1,0 ... 0,0 bar	5	Adjustable: 0 to 100% of set value or comparator mode	2 digital	100
VS-V-W-D NPN K 3C-D	Non-aggressive gases; dry, oil-free air	-1,0 ... 0,0 bar	5	Adjustable: 0 to 100% of set value or comparator mode	2 digital	100
VS-P10-W-D PNP K 3C-D	Non-aggressive gases; dry, oil-free air	0,0 ... 10,0 bar	15	Adjustable: 0 to 100% of set value or comparator mode	2 digital	100
VS-P10-W-D NPN K 3C-D	Non-aggressive gases; dry, oil-free air	0,0 ... 10,0 bar	15	Adjustable: 0 to 100% of set value or comparator mode	2 digital	100

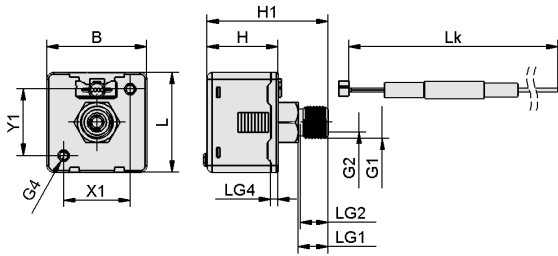
  

Type	Electrical connection	Voltage	Current consumption [mA]	Protection type IP	Operating temperature [°C]	Weight [g]
VS-V-W-D NPN K 3C-D	Cable	12-24V DC	30	IP 40	0 ... 50 °C	73
VS-P10-W-D PNP K 3C-D	Cable	12-24V DC	30	IP 40	0 ... 50 °C	73
VS-P10-W-D NPN K 3C-D	Cable	12-24V DC	30	IP 40	0 ... 50 °C	73
VS-V-W-D PNP K 3C-D	Cable	12-24V DC	30	IP 40	0 ... 50 °C	73

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Type	B [mm]	G1	G2		H [mm]	H1 [mm]
VS-V-W-D PNP K 3C-D	30	G1/8"-M	M5-F	M3-F	21.3	36.3
VS-V-W-D NPN K 3C-D	30	G1/8"-M	M5-F	M3-F	21.3	36.3
VS-P10-W-D PNP K 3C-D	30	G1/8"-M	M5-F	M3-F	21.3	36.3
VS-P10-W-D NPN K 3C-D	30	G1/8"-M	M5-F	M3-F	21.3	36.3

Type	L [mm]	LG1 [mm]	LG2 [mm]	LG4 [mm]	Lk [mm]	X1 [mm]	Y1 [mm]
VS-V-W-D PNP K 3C-D	30	9	10	5	2,000	20	20
VS-V-W-D NPN K 3C-D	30	9	10	5	2,000	20	20
VS-P10-W-D PNP K 3C-D	30	9	10	5	2,000	20	20
VS-P10-W-D NPN K 3C-D	30	9	10	5	2,000	20	20