Electronic Vacuum / Pressure Switches

Vacuum Switches VSi-HD

Measuring range from -1 bar to 0 bar

METAL

Vacuum Switches VSi-HD
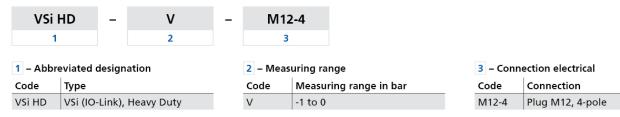
Suitability for Industry Specific Applications

Applications

- Electronic vacuum switch VSi-HD with an IO-Link interface for measuring and monitoring vacuum in automation and handling systems
- Heavy-duty version for use in rugged environments (e.g. due to acceleration, dirt or vibrations)
- Installation directly on the suction cup, especially in decentralized vacuum systems
- Input and output of process parameters via the control

Design

- Compact Vacuum Switch VSi-HD without display with a robust design
- Robust aluminium housing
- Operating and switching point indication by LED
- Assembly via large key area
- Connection plug M12-4 Pin

Product Highlights

- Electronic vacuum switch with digital switching signals precisely measures and evaluates process data
- Rugged, compact design optimized for harsh environments
- Input and output of relevant process data via the controller using IO-Link
- Leakage monitoring through visual or digital output enables predictive maintenance

✎ Designation Code Vacuum Switches VSi-HD

VSi HD	–	V	–	M12-4
1		2		3

1 – Abbreviated designation

Code	Type
VSi HD	VSi (IO-Link), Heavy Duty

2 – Measuring range

Code	Measuring range in bar
V	-1 to 0

3 – Connection electrical

Code	Connection
M12-4	Plug M12, 4-pole

The vacuum switch VSi-HD is supplied as a product ready to connect (without connection cable).

Available accessories: connection cable, mounting frame

✎ Ordering Data Vacuum Switches VSi-HD

Type	Part no.
VSi HD V M12-4	10.06.02.00677

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🔧 Ordering Data Accessories Vacuum Switches VSi-HD

Type		Part no.
Connection cable, M12-4 socket, 2 m, PUR, straight	ASK B-M12-4 2000 S-M12-4	21.04.05.00087
Connection cable, M12 4-pole, 5 m, PUR, straight	ASK B-M12-4 5000 K-4P	21.04.05.00263
Connection cable, M12-4 socket, 5m, PUR, straight	ASK B-M12-4 5000 S-M12-4	21.04.05.00265
Mounting frame	EINB-RAx25.6x36 VS	10.06.02.00115

📊 Technical Data Vacuum Switches VSi-HD

Type	Measured medium	Measuring range [bar]	Max. overpressure safety [bar]	Repeatability	Switching capacity max. [mA]	Hysteresis	Inputs/outputs
VSi HD V M12-4	Non-aggressive gases; dry, oil-free air	-1,0 ... 0,0 bar	8	± 3% of full-scale value	100	Adjustable	2 digital

Type	Indication	Electrical connection	Connection	Voltage	Protection type IP	Temperature influence	Operating temperature [°C]	Weight [g]
VSi HD V M12-4	LED	Male connect M12, 4 pol	G1/8"-M + M5-F	10-30V DC	IP 65 (with plug)	± 3% of full-scale value	0 ... 50 °C	21

🧭 Design Data Vacuum Switches VSi-HD

Type	D [mm]	G1	G2	G3	L [mm]	L1 [mm]	LG1 [mm]	SW1 [mm]
VSi HD V M12-4	20	G1/8"-M	M5-F	M12x1-M	43	60	8	16