VACUUM PUMPS P3010

P3010 VACUUM SWITCH, ADJUSTABLE WITH ANALOGUE OUTPUT

▶ Patented multistage COAX® cartridge - MINI - with Pi, Si, Xi cartridge.

▶ 1 output NO and 1 analogue output.

▶ Includes a flow-through silencer and a built-in vacuum filter for harsh environments.

▶ High system reliability in case of fluctuating or low feed pressure.

▶ Suitable for fast and reliable evacuation in sealed systems.

TECHNICAL DATA

Description	Unit	Value
Feed pressure, max. (pump)	MPa	0.7
Noise level	dBA	66-68
Pressure, max (switch)	MPa	0.2
Vacuum range	-kPa	0–100
Material		PP, PA, Al, PC, POM, NBR, SS
Temperature range	°C	-10-50
Weight	g	218-470
Function		NO, NPN/PNP
Hysteresis	%	1–15
Supply voltage	VDC	10.8–30
Voltage output	VDC	1–5
Safety classification		IP40
Analogue output, current max. (load resistance min. 5kΩ)	mA	1
Humidity	% RH	35–85
Response time	ms	2
Accuracy at 25°C		±3% F.S.
Current consumption, max	mA	17
High-voltage resistant	VAC	500
Insulation at 500 VDC	MOhm	100
Vibration resistance, 1,5 mm, XYZ, 2 h	Hz	10–500
Electric connection		M8 4 pin male
Current output, max	mA	80

PERFORMANCE TABLES

Depending upon choice of COAX® Cartridge, performance data of the P3010 can be found in the tables for vacuum flow, evacuation time and blow flow on the P3010 or COAX® Cartridge datasheets.

Specifications subject to change without notice.

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ORDERING INFORMATION

1. Select housing	P3010 Code
Housing, connection Ø=6 mm	00
Housing, connection 1/8" NPSF	01

2. COAX® cartridge modules	P3010 Code
COAX® cartridge module Pi12-3FSx1	AE
COAX® cartridge module Pi12-3FSx1, non-return valve	AF
COAX® cartridge module Pi12-3FSx2	AG
COAX® cartridge module Pi12-3FSx2, non-return valve	AH
COAX® cartridge module Si08-3FSx1	AA
COAX® cartridge module Si08-3FSx1, non-return valve	AB
COAX® cartridge module Si08-3FSx2	AC
COAX® cartridge module Si08-3FSx2, non-return valve	AD
COAX® cartridge module Xi10-3FSx1	AI
COAX® cartridge module Xi10-3FSx1, non-return valve	AJ
COAX® cartridge module Xi10-3FSx2	AK
COAX® cartridge module Xi10-3FSx2, non-return valve	AL

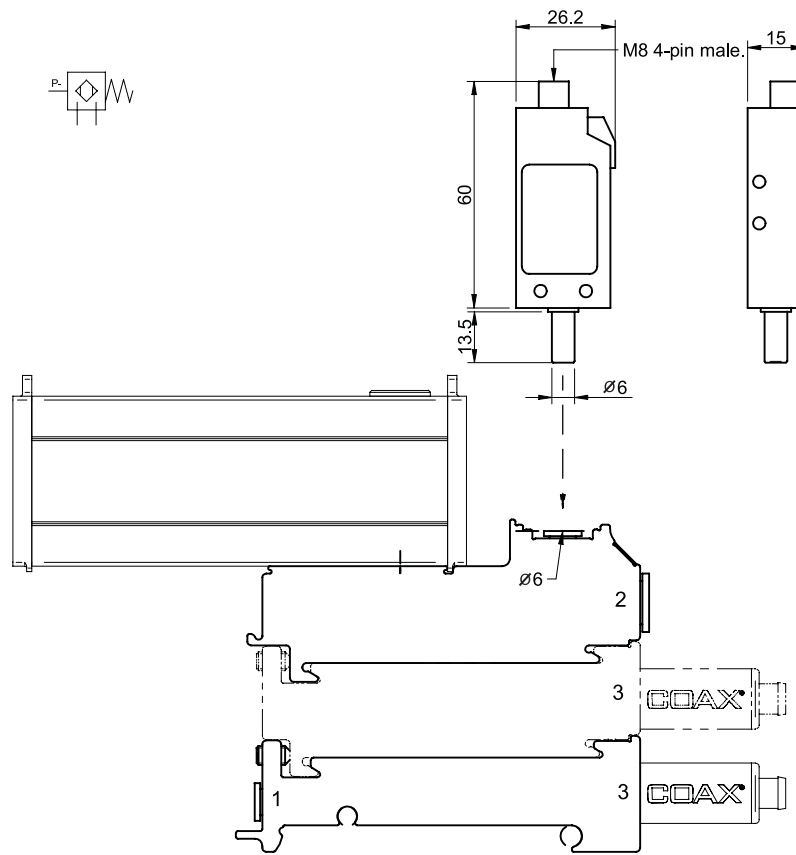| 3. Select connection and function module	P3010 Code
Function Quick-release connection, 10 and 6 mm, 3 cm^3	04
Function Quick-release connection, 8 and 6 mm, 30 cm^3	05
Function Quick-release connection, 8 and 6 mm, 60 cm^3	06
Function Quick-release connection, 10 and 6 mm, 30 cm^3	07
Function Quick-release connection, 10 and 6 mm, 60 cm^3	08
Function Quick-release connection, 1/4" NPSF and 6 mm, 3 cm^3	09
Function Quick-release connection, 1/4" NPSF and 6 mm, 30 cm^3	10
Function Quick-release connection, 1/4" NPSF and 6 mm, 60 cm^3	11
Function Quick-release connection, 8 and 6 mm, 3 cm^3	12

For detailed information on Quick-release, see separate datasheet.

4. Select ES	P3010 Code
No energy saving	AA
Valve DS23	AB

For detailed information on Valve DS 23, see separate datasheet.

5. Select vacuum sensing	P3010 Code
Vacuum switch, adjustable, PNP NO MM8	01
Vacuum switch, adjustable, NPN NO MM8	02

Example	Ordering number
Housing, connection Ø 6 mm Pi12-3FSx1, Function Quick-release module 10/6 3cm^3, no energy saving, Vacuum switch PNP NO MM8	P3010.00.AE.04.AA.01

ORDERING INFORMATION, ACCESSORIES

Description	Art. No.
Sealing kit P3010, NBR	0104201

The sealing kit includes flap valves, compressed air filter and vacuum filter.

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