

Pilot operated 2-port solenoid valve for air

EXA Series

 Aluminum body

●NC (Normally Closed)

●Port size: Rc1/4, 3/8

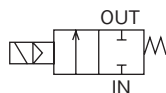
P4 specifications
as standard

RoHS



JIS symbol

●NC (Normally Closed)



Specifications

Item	EXA-8A	EXA-10A
Working fluid	Compressed air, dry air (atmospheric dew point -70°C and over)	
Working pressure differential MPa	0.01 to 0.7	
Max. working pressure MPa	0.7	
Proof pressure (water pressure) MPa	1.05	
Fluid temperature °C	0 to 55 (no freezing)	
Ambient temperature °C	-5 to 55	
Atmosphere	Place free of corrosive gas/explosive gas and not exposed to water	
Valve structure	Pilot operated diaphragm drive	
Internal leakage cm ³ /min	2 or less	
External leakage cm ³ /min	2 or less	
Mounting orientation	Unrestricted	
Port size	Rc1/4	Rc3/8
C[dm ³ /(s·bar)]	4.5	4.7
b	0.18	0.17
Weight *1 g	56	57
Electrical specifications		
Rated voltage	100 VAC (50/60 Hz), 24 VDC, 12 VDC *2	
Apparent power VA	1.2	
Power consumption W	0.6	
Thermal class	Class 130 (B)	
Degree of protection (IEC standard: 529)	Lead wire: IPX0, with DIN terminal box: IPX5	

*1: Weight with the DIN terminal box is +20 g.

*2: The voltage fluctuation range is ±10%.

How to order

EXA - 8A - 0 2C B - 1

Model No.

A Port size

B Sealant

C Coil option

D Other options

E Voltage

[Example of model No.]

EXA-8A-02CB-1

Model: Compact air blow valve EXA Aluminum body

A Port size : Rc1/4

B Sealant material : H-NBR, internal exhaust specifications

C Coil option : Lead wire

D Other options : With mounting plate

E Voltage : 100 VAC

Coil option	Voltage		
	1	3	4
2C	●	●	●
2G	●		
2GS		●	●
2H	●		
2HS		●	●

Select from the combinations indicated with

● above.

Code	Item
A Port size	
8A	Rc1/4
8G	G1/4
8N	1/4NPT
10A	Rc3/8
10G	G3/8
10N	3/8NPT

B Sealant	
0	H-NBR, internal exhaust specifications

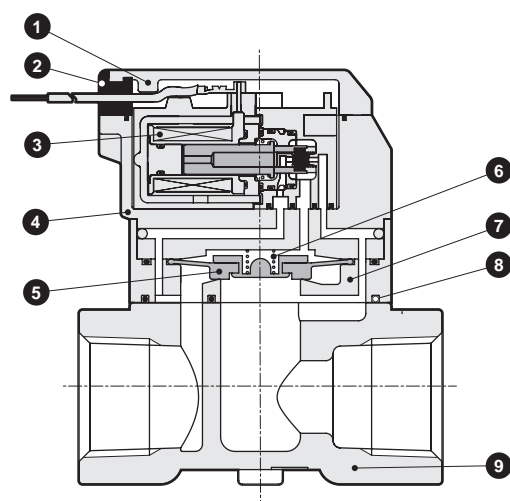
C Coil option *1		
2C	Standard	Lead wire (without both lamp/surge suppressor)
2G	Option	DIN terminal box (Pg7), without lamp
2GS		DIN terminal box (Pg7), without lamp/with surge suppressor
2H		DIN terminal box (Pg7), with lamp (inside terminal box)
2HS		DIN terminal box (Pg7), with lamp (inside terminal box)/with surge suppressor

D Other options	
Blank	No
B	With mounting plate

E Voltage *1	
1	100 VAC
3	24 VDC
4	12 VDC

*1: Refer to the table on the left for the available coil option and voltage combinations.

Internal structure and parts list



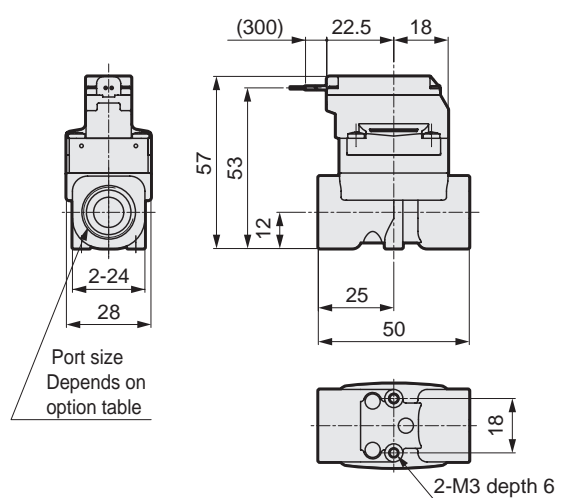
No.	Part name	Material	
1	Cover (*1)	PBT	Polybutylene terephthalate
2	Bush	NBR	Nitrile rubber
3	Coil assembly	-	-
4	Stuffing	PPS	Polyphenylene sulfide
5	Diaphragm assembly	H-NBR/PPS	Hydrogenated nitrile rubber/polyphenylene sulfide
6	Spring	SUS	Stainless steel
7	Valve body	PBT	Polybutylene terephthalate
8	Gasket	H-NBR	Hydrogenated nitrile rubber
9	Body	ADC12	Aluminum

*1: PA66 and polyamide are used when the DIN terminal box is attached.

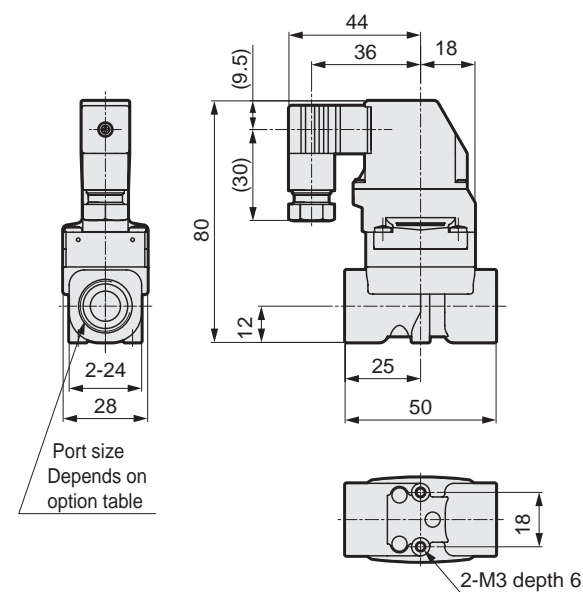
Cannot be disassembled

Dimensions

● Lead wire



● DIN terminal box



● With mounting plate

