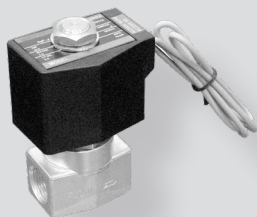
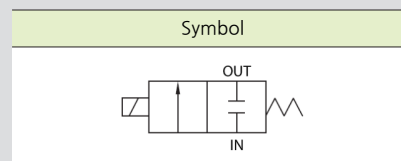


KAB41 series



KAB41-03-5



How to order

KAB41 - 02 - 5 - B - 2E - AC220V

① ② ③ ④ ⑤

① Port size

02	Rc(PT) 1/4"	1	Ø1.5
03	Rc(PT) 3/8"	2	Ø2.0
04	Rc(PT) 1/2" impact	3	Ø3.0
		4	Ø3.5
		5	Ø4.0
		6	Ø5.0
		7	Ø7.0
		8	Ø10.0(PT1/2 only)

② Orifice

③ Body & Seal material

Nil	Brass	NBR	Air, Water, Oil
B		FKM	Hot water
C		PTFE	Other solvents, Steam
P		EPDM	Inert gas
D	SUS	NBR	Air, Water, Oil
E		FKM	Hot water
F		PTFE	Other solvents, Steam
R		EPDM	Inert gas

④ Electrical connection

Nil	Grommet coil
2E	DIN terminal
3K	Square terminal box(G1/2)

⑤ Voltage

AC110V	AC110V 60Hz, AC100V 50/60Hz
AC220V	AC220V 60Hz, AC200V 50/60Hz
DC24V	DC24V
AC□V	For other voltages, please contact us.
DC□V	

Specifications

Classification	Standard	Option	
Fluid	Air, Water, Inert gas, Kerosene, Oil, Low vacuum	Hot water	Steam
Operating pressure	0 ~ 50kgf/cm ²		
Max. operating pressure	20kgf/cm ²		
Fluid temperature	-10 ~ 60℃	-10 ~ 90℃	-10 ~ 180℃
	(No freezing)		
Ambient temperature	-10 ~ 60℃	-10 ~ 40℃	-10 ~ 100℃
Operation and structure	Direct acting poppet structure		
Valve leakage	0cm ³ /min (Seal: NBR, FKM, EPDM)		300cm ³ /min (Seal: PTFE)
Max. operating frequency	60 Count/min (Air 5kgf/cm ²)		
Weight	445g(520g) / KAB41-04-8-※: 519g		
Coil insulation	Class B		Class H
Attached posture	Free		
Operating noise	88dB(Air)		

Features

- Direct-acting solenoid valve
- Normally Closed type
- Port size Rc(PT) 1/4", 3/8", 1/2"
- Air, Water, Inert gas, Kerosene, Oil (Less than 50ml/s)
- Hot water, Steam, Low vacuum(1.33X10³Pa)

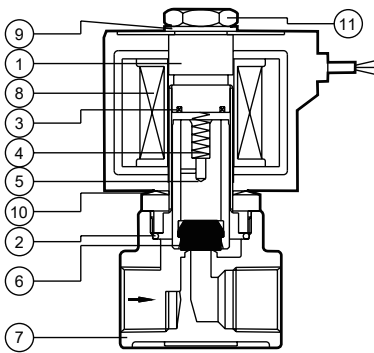
※ Steam type can only support AC220V.

Specifications by model

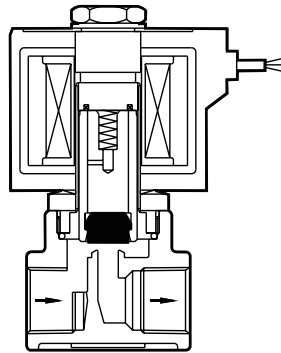
Model	Port size Rc(PT)	Orifice(Ø)	Flow characteristics		Max. operating pressure(kgf/cm)						Rated voltage	Power consumption	
					Air		Water		Oil			AC(W)	DC(W)
			Cv	S(ml)	AC	DC	AC	DC	AC	DC			
KAB41-02(03)-1	1/4" (3/8")	1.5	0.10	1.8	50	40	45	40	40	40	AC100V 50/60Hz AC110V 60Hz AC200V 50/60Hz AC220V 60Hz (DC24V)	6.7 (50Hz) 5.7 (60Hz)	11
KAB41-02(03)-2		2.0	0.15	2.7	30	25	27	25	25	25			
KAB41-02(03)-3		3.0	0.31	6.2	15	9	13	9	9	9			
KAB41-02(03)-4		3.5	0.42	8.2	12	6	9	6	6	6			
KAB41-02(03)-5		4.0	0.54	10.5	10	5	7	5	5	5			
KAB41-02(03)-6		5.0	0.80	15.3	6	2.5	4	2.5	2.5	2.5			
KAB41-02(03)-7		7.0	1.00	26.4	2.5	1	2	1	1.5	1			
KAB41-04-8	1/2"	10.0	1.88	40.6	1	0.5	1	0.5	0.5	0.5			16

Structure

● In closing operation



● In opening operation

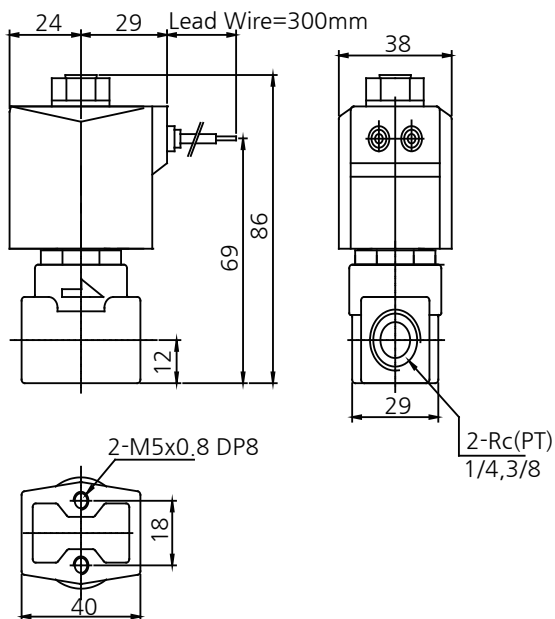


No.	Parts	Material
1	Core	SUS
2	O-ring	NBR(PTFE)
3	S-Coil	Copper (Silver)
4	Return spring	SUS
5	Plunger	SUS
6	Valve seat	NBR(FKM, EPDM)
7	Body	Brass (SUS)
8	Coil Ass'y	Class B molding
9	Spring washer	SUS
10	Wave washer	Steel
11	Lock nut	Brass

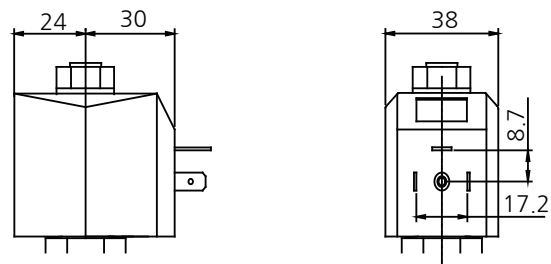
Dimensions

● KAB41-03-5-B/C/P-□

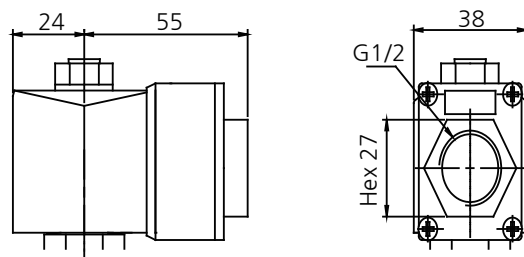
Grommet coil



DIN Terminal



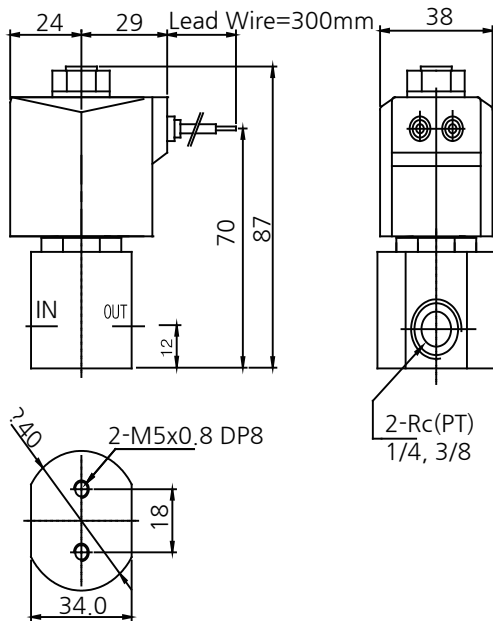
Square terminal box



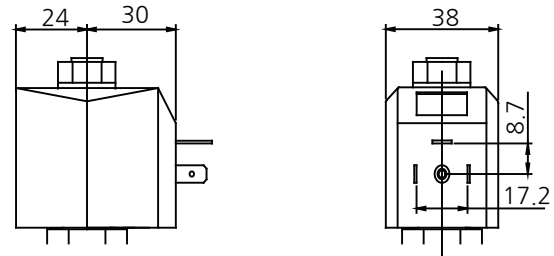
Dimensions

● KAB41-03-5-D/E/F/R-□

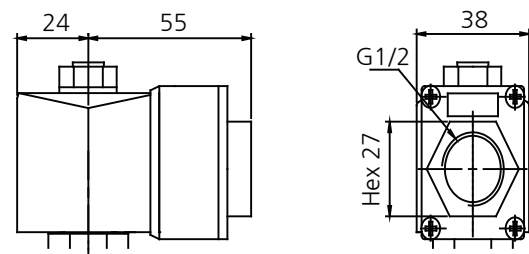
Grommet coil



DIN Terminal

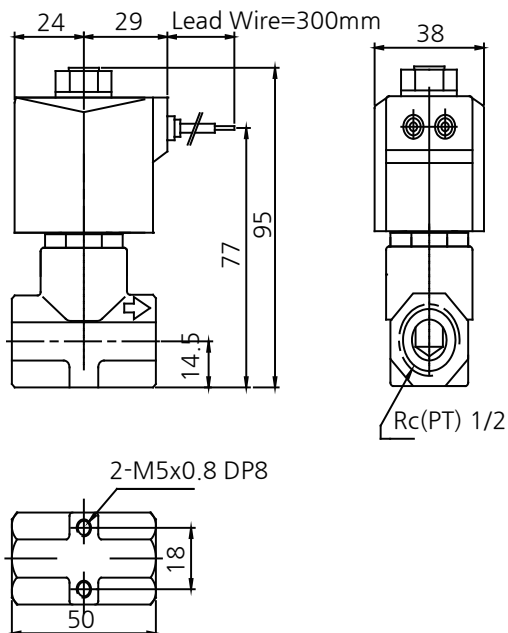


Square terminal box

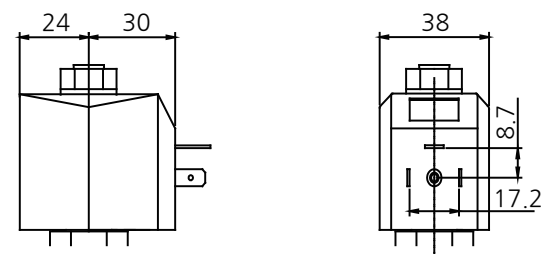


● KAB41-04-8-□

Grommet coil



DIN Terminal



Square terminal box

