

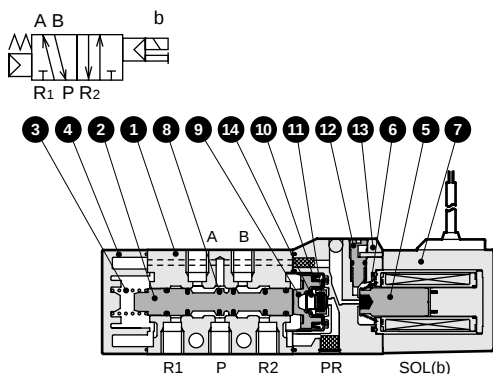
3KA1/4KA1 Series

Discrete valve: Body porting

Internal structure and part list

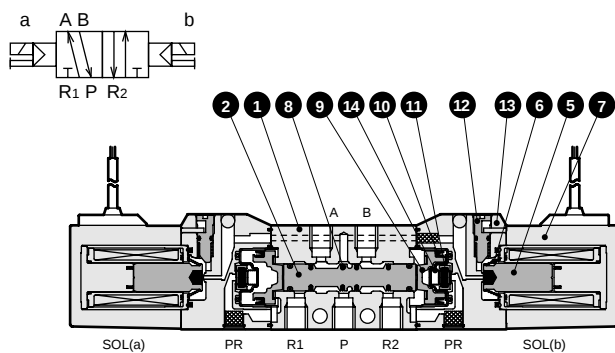
4KA110

- 2-position single



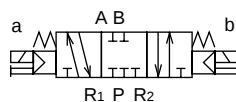
4KA120

- 2-position double



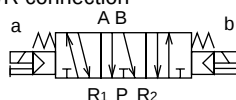
4KA130

- 3-position all ports closed



4KA140

- 3-position A/B/R connection



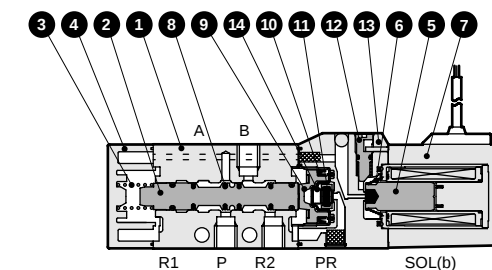
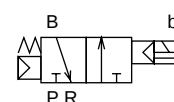
4KA150

- 3-position P/A/B connection



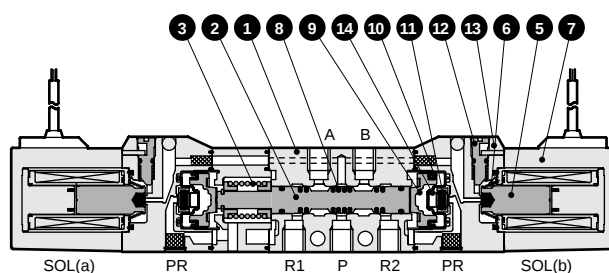
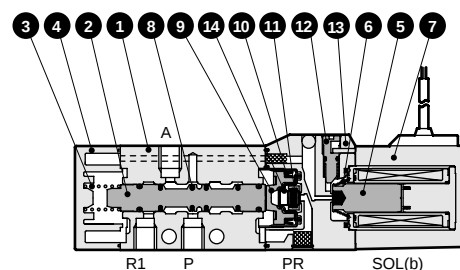
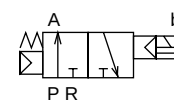
3KA110-NC

- 2-position single/NC type



3KA1110-NO

- 2-position single/NO type



Main part list

No.	Parts name	Material
1	Body	Aluminum alloy die casting
2	Valving element (spool)	Aluminum
3	Valve spring	Stainless steel
4	Cap	Polyphenylen sulfite resin
5	Plunger	-
6	Plunger spring	-
7	Coil assembly	-
8	Spool packing seal	Nitrile rubber
9	Piston	Acetar resin
10	Piston packing seal	Nitrile rubber
11	Valve seat	Nitrile rubber
12	Manual button	Acetar resin
13	Pilot valve	Polyphenylen sulfite resin
14	Valve seat spring	Stainless steel

Repair parts list

No. Parts name Model No.	2 8 Spool assembly	9 10 Piston assembly	5 6 7 Coil assembly •
3KA110	4K9-110	4K9-151	4K1L- [D Electric connection]- For grommet lead wire, blank. Coil - [F Voltage]
3KA1110	4K9-118		
4KA110	4K9-110	4K9-151	4K1L- [D Electric connection]- For grommet lead wire, blank. Coil - [F Voltage]
4KA120	4K9-118		
4KA130	4K9-111	4K9-152	4K1L- [D Electric connection]- For grommet lead wire, blank. Coil - [F Voltage]
4KA140	4K9-112		
4KA150	4K9-113		

• For terminal box/connector type of coil assembly, option listed on how to order is assembled/attached.