

Pilot operated 3, 4, 5-port pneumatic valve

(M)(MN)4KA, 4KB Series

(M)(MN)4KA, 4KB Series

Mounting plate kit / sub-plate kit

Mounting plate kit (single valve)

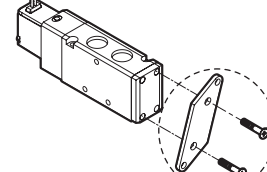
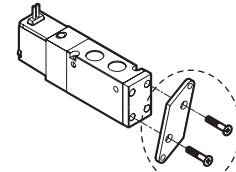
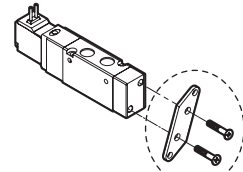
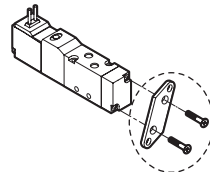
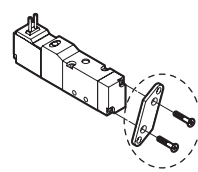
• 3KA1

• 4KA1

• 4KA2

• 4KA3

• 4KA4



Model No.	Part model No.	Parts diagram	Quantity
3KA110 3KA1110	3KA110-MOUNT-PLATE-KIT-P		Mounting plate: 1 Mounting screw: 2
4KA110	4KA110-MOUNT-PLATE-KIT-P		
4KA210	4KA210-MOUNT-PLATE-KIT-P		
4KA310	4KA310-MOUNT-PLATE-KIT-P		
4KA410	4KA410-MOUNT-PLATE-KIT-P		

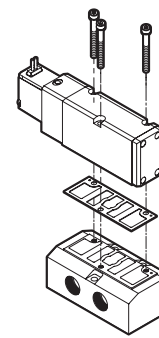
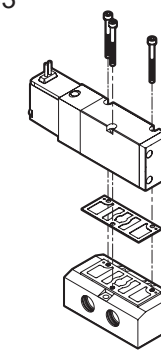
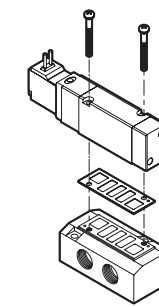
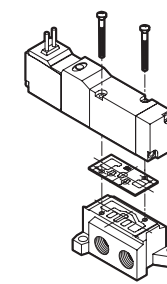
Sub-plate kit (single valve)

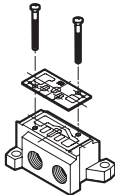
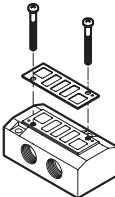
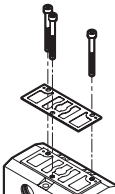
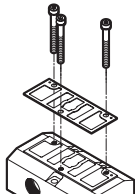
• 4KB1

• 4KB2

• 4KB3

• 4KB4

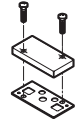
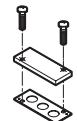
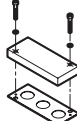
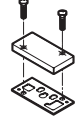
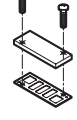
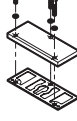
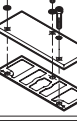
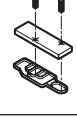
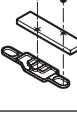
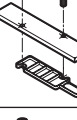
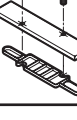


Model No.	Port size	Part model No.	Parts diagram	Quantity
4KB1	Rc1/8	4KB110-06-[*1]-SUB-BASE-KIT		Sub-plate: 1 Gasket: 1 Mounting screw: 2 or 3
4KB2	Rc1/8	4KB210-06-[*1]-SUB-BASE-KIT		
	Rc1/4	4KB210-08-[*1]-SUB-BASE-KIT		
4KB3	Rc1/4	4KB310-08-[*1]-SUB-BASE-KIT		
	Rc3/8	4KB310-10-[*1]-SUB-BASE-KIT		
4KB4	Rc3/8	4KB410-10-[*1]-SUB-BASE-KIT		
	Rc1/2	4KB410-15-[*1]-SUB-BASE-KIT		

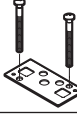
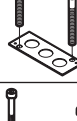
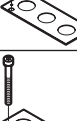
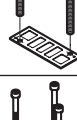
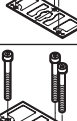
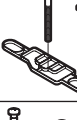
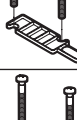
*1: Option blank/K (external pilot)

Manifold related parts

●Masking plate kit (manifold) M4KA*, M4KB*, MN4KB*

Model No.	Part model No.	Parts diagram	Quantity
M4KA1	M4KA180-MP-KIT		Masking plate: 1 Gasket: 1 Mounting screw: 2 or3
M4KA2	M4KA280-MP-KIT		
M4KA3	M4KA380-MP-KIT		
M4KA4	M4KA480-MP-KIT		
M4KB1	M4KB180-MP-KIT		
M4KB2	M4KB280-MP-KIT		
M4KB3	M4KB380-MP-KIT		
M4KB4	M4KB480-MP-KIT		
MN4KB110A	MN4KB180A-MP-KIT-S		
MN4KB120A MN4KB130A MN4KB140A MN4KB150A	MN4KB180A-MP-KIT-D		
MN4KB210	MN4KB280-MP-KIT-S		
MN4KB220 MN4KB230 MN4KB240 MN4KB250	MN4KB280-MP-KIT-D		

●Gasket kit (manifold) M4KA*, M4KB*, MN4KB*

Model No.	Part model No.	Parts diagram	Quantity
M4KA1	M4KA110-GASKET-KIT		Gasket: 1 Mounting screw: 2
M4KA2	M4KA210-GASKET-KIT		
M4KA3	M4KA310-GASKET-KIT		
M4KA4	M4KA410-GASKET-KIT		
M4KB1	M4KB110-GASKET-KIT		
M4KB1 (CE type)	M4KB110-00CE-GASKET-KIT		Gasket: 1 O-ring: 2 Mounting screw: 2
M4KB2	M4KB210-GASKET-KIT		Gasket: 1 Mounting screw: 2 or 3
M4KB3	M4KB310-GASKET-KIT		
M4KB4	M4KB410-GASKET-KIT		
MN4KB110A	MN4KB110A-GASKET-KIT-S		
MN4KB120A MN4KB130A MN4KB140A MN4KB150A	MN4KB110A-GASKET-KIT-D		
MN4KB210	MN4KB210-GASKET-KIT-S		
MN4KB220 MN4KB230 MN4KB240 MN4KB250	MN4KB210-GASKET-KIT-D		

●Metal plug (with sealant)

Part model No.	Parts diagram	Quantity
4K9-PLUG-R1/8		1
4K9-PLUG-R1/4		
4K9-PLUG-R3/8		
4K9-PLUG-R1/2		

Manifold related parts

●Sub-plate kit (manifold) M4KA*

Model No.	Part model No.	Parts diagram	Quantity
M4KA1	M4KA110-M5-[*1]-SUB-BASE-KIT		Sub-plate: 1 Gasket kit: Station No. Metal plug: 3
M4KA2	M4KA210-06-[*1]-SUB-BASE-KIT		
M4KA3	M4KA310-08-[*1]-SUB-BASE-KIT		
M4KA4	M4KA410-10-[*1]-SUB-BASE-KIT		

*1: Station No. (M4KA1, 2: 2 to 20 / M4KA3:2 to 15 / M4KA4:2 to 12)

●Sub-plate kit (manifold) M4KB*

Model No.	Part model No.	Parts diagram	Quantity
M4KB1	M4KB110-[*1]-[*2]-[*3]-SUB-BASE-KIT		Sub-plate: 1 Gasket kit: Station No. Metal plug: 2 or 3
M4KB1 (CE type)	M4KB110-[*1]CE-[*3]-SUB-BASE-KIT		
M4KB2	M4KB210-[*1]-[*3]-SUB-BASE-KIT		
M4KB3	M4KB310-[*1]-[*3]-SUB-BASE-KIT		
M4KB4	M4KB410-[*1]-[*3]-SUB-BASE-KIT		

*1: Port size
*2: Option blank/K (external pilot)
*3: Station No. (M4KA1, 2: 2 to 20 / M4KA3:2 to 15 / M4KA4:2 to 12)

Coil-related part

●Coil assembly (grommet lead wire, C-, D-connector)

• 3KA1, 4KA1, 4KB1, 4KA2, 4KB2

Electrical connections				Part model No.	Parts diagram
Type	Lead wire (mm)	Surge suppressor	Lamp		
Grommet lead wire	300			4K1L-COIL-[*1]	
C-connector	300			4K1L-C-COIL-[*1]	
	500			4K1L-C00-COIL-[*1]	
	1000			4K1L-C01-COIL-[*1]	
	2000			4K1L-C02-COIL-[*1]	
	3000			4K1L-C03-COIL-[*1]	
	300	●	●	4K1L-C2-COIL-[*1]	
	500	●	●	4K1L-C20-COIL-[*1]	
	1000	●	●	4K1L-C21-COIL-[*1]	
	2000	●	●	4K1L-C22-COIL-[*1]	
	3000	●	●	4K1L-C23-COIL-[*1]	
				4K1L-C1-COIL-[*1]	
		●	●	4K1L-C3-COIL-[*1]	
	300			4K1L-D-COIL-[*1]	
	500			4K1L-D00-COIL-[*1]	
D-connector	1000			4K1L-D01-COIL-[*1]	
	2000			4K1L-D02-COIL-[*1]	
	3000			4K1L-D03-COIL-[*1]	
	300	●	●	4K1L-D2-COIL-[*1]	
	500	●	●	4K1L-D20-COIL-[*1]	
	1000	●	●	4K1L-D21-COIL-[*1]	
	2000	●	●	4K1L-D22-COIL-[*1]	
	3000	●	●	4K1L-D23-COIL-[*1]	
				4K1L-D1-COIL-[*1]	
		●	●	4K1L-D3-COIL-[*1]	

*1: Voltage (100 VAC / 110 VAC / 200 VAC / 220 VAC / 12 VDC / 24 VDC)

●Coil assembly (compact terminal box)

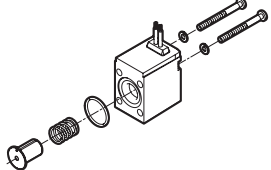
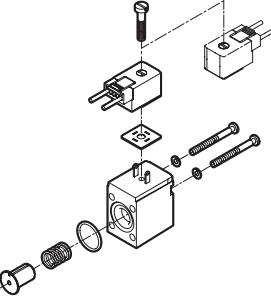
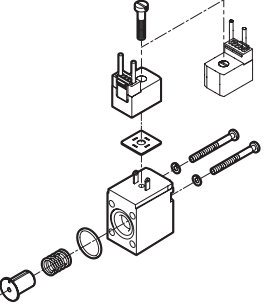
• 3KA1, 4KA1, 4KB1, 4KA2, 4KB2

Electrical connections			Part model No.	Parts diagram
Type	Surge suppressor	Lamp		
Compact terminal box			4K1L-B-COIL-[*1]	
		●	4K1L-L-COIL-[*1]	
	●	●	4K1L-LS-COIL-[*1]	

*1: Voltage (100 VAC / 110 VAC / 200 VAC / 220 VAC / 12 VDC / 24 VDC)

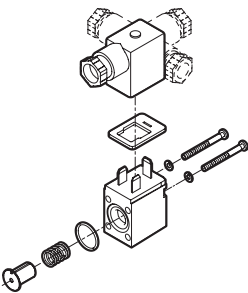
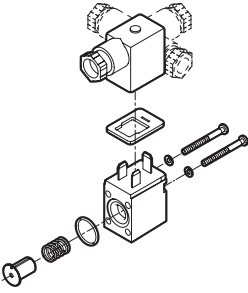
Coil-related part

- Coil assembly (grommet lead wire, C-, D-connector)
- 4KA3, 4KB3, 4KA4, 4KB4

Electrical connections				Part model No.	Parts diagram
Type	Lead wire (mm)	Surge suppressor	Lamp		
Grommet lead wire	300			4K3-COIL-[*1]	
C-connector	300			4K3-C -COIL-[*1]	
	500			4K3-C00-COIL-[*1]	
	1000			4K3-C01-COIL-[*1]	
	2000			4K3-C02-COIL-[*1]	
	3000			4K3-C03-COIL-[*1]	
	300	●	●	4K3-C2 -COIL-[*1]	
	500	●	●	4K3-C20-COIL-[*1]	
	1000	●	●	4K3-C21-COIL-[*1]	
	2000	●	●	4K3-C22-COIL-[*1]	
	3000	●	●	4K3-C23-COIL-[*1]	
				4K3-C1 -COIL-[*1]	
		●	●	4K3-C3 -COIL-[*1]	
D-connector	300			4K3-D -COIL-[*1]	
	500			4K3-D00-COIL-[*1]	
	1000			4K3-D01-COIL-[*1]	
	2000			4K3-D02-COIL-[*1]	
	3000			4K3-D03-COIL-[*1]	
	300	●	●	4K3-D2 -COIL-[*1]	
	500	●	●	4K3-D20-COIL-[*1]	
	1000	●	●	4K3-D21-COIL-[*1]	
	2000	●	●	4K3-D22-COIL-[*1]	
	3000	●	●	4K3-D23-COIL-[*1]	
				4K3-D1 -COIL-[*1]	
		●	●	4K3-D3 -COIL-[*1]	

*1: Voltage (100 VAC / 110 VAC / 200 VAC / 220 VAC / 12 VDC / 24 VDC)

- Coil assembly (compact terminal box)
- 4KA3, 4KB3, 4KA4, 4KB4

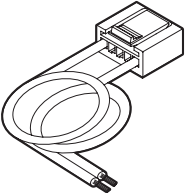
Electrical connections			Part model No.	Parts diagram
Type	Surge suppressor	Lamp		
Compact terminal box			4K3-B-COIL-[*1]	
		●	4K3-L-COIL-[*1]	
	●	●	4K3-LS-COIL-[*1]	

*1: Voltage (100 VAC / 110 VAC / 200 VAC / 220 VAC / 12 VDC / 24 VDC)

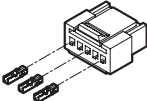
Coil-related parts / electrical connection parts

Electrical connections

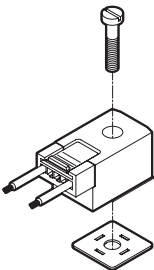
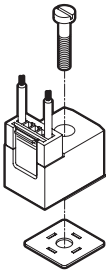
- Socket assembly

Voltage	Lead wire length	Part model No.	Parts diagram
100 VAC (110 VAC)	300 mm	4K9-SOCKET-F4-603681-300	
	500 mm	4K9-SOCKET-F4-603681-500	
	1000 mm	4K9-SOCKET-F4-603681-1000	
	2000 mm	4K9-SOCKET-F4-603681-2000	
	3000 mm	4K9-SOCKET-F4-603681-3000	
200 VAC (220 VAC)	300 mm	4K9-SOCKET-F4-603682-300	
	500 mm	4K9-SOCKET-F4-603682-500	
	1000 mm	4K9-SOCKET-F4-603682-1000	
	2000 mm	4K9-SOCKET-F4-603682-2000	
	3000 mm	4K9-SOCKET-F4-603682-3000	
24 VDC (12 VDC)	300 mm	4K9-SOCKET-F4-603683-300	
	500 mm	4K9-SOCKET-F4-603683-500	
	1000 mm	4K9-SOCKET-F4-603683-1000	
	2000 mm	4K9-SOCKET-F4-603683-2000	
	3000 mm	4K9-SOCKET-F4-603683-3000	

- Socket

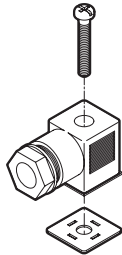
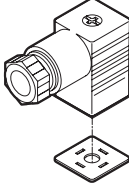
Part model No.	Parts diagram
4K9-SOCKET-F4-605240	

- C-connector, D-connector kit

Electrical connections				Part model No.	Parts diagram
Type	Lead wire (mm)	Surge suppressor	Lamp		
C-connector	300			4K9-CONNECTOR-KIT-C-[*1]	
	500			4K9-CONNECTOR-KIT-C00-[*1]	
	1000			4K9-CONNECTOR-KIT-C01-[*1]	
	2000			4K9-CONNECTOR-KIT-C02-[*1]	
	3000			4K9-CONNECTOR-KIT-C03-[*1]	
	300	●	●	4K9-CONNECTOR-KIT-C2-[*1]	
	500	●	●	4K9-CONNECTOR-KIT-C20-[*1]	
	1000	●	●	4K9-CONNECTOR-KIT-C21-[*1]	
	2000	●	●	4K9-CONNECTOR-KIT-C22-[*1]	
	3000	●	●	4K9-CONNECTOR-KIT-C23-[*1]	
				4K9-CONNECTOR-KIT-C1-[*1]	
		●	●	4K9-CONNECTOR-KIT-C3-[*1]	
D-connector	300			4K9-CONNECTOR-KIT-D-[*1]	
	500			4K9-CONNECTOR-KIT-D00-[*1]	
	1000			4K9-CONNECTOR-KIT-D01-[*1]	
	2000			4K9-CONNECTOR-KIT-D02-[*1]	
	3000			4K9-CONNECTOR-KIT-D03-[*1]	
	300	●	●	4K9-CONNECTOR-KIT-D2-[*1]	
	500	●	●	4K9-CONNECTOR-KIT-D20-[*1]	
	1000	●	●	4K9-CONNECTOR-KIT-D21-[*1]	
	2000	●	●	4K9-CONNECTOR-KIT-D22-[*1]	
	3000	●	●	4K9-CONNECTOR-KIT-D23-[*1]	
				4K9-CONNECTOR-KIT-D1-[*1]	
		●	●	4K9-CONNECTOR-KIT-D3-[*1]	

*1: Voltage (100 VAC / 110 VAC / 200 VAC / 220 VAC / 12 VDC / 24 VDC)

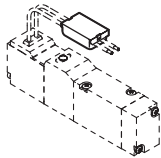
Terminal box kit

Electrical connections	Model No.	Part model No.	Parts diagram
B	3KA1 4KA1, 4KB1 4KA2, 4KB2	4K1-DIN-TRM-B	
	4KA3, 4KB3 4KA4, 4KB4	4K3-DIN-TRM-B	
L	3KA1 4KA1, 4KB1 4KA2, 4KB2	4K1-DIN-TRM-L-[* 1]	
	4KA3, 4KB3 4KA4, 4KB4	4K3-DIN-TRM-L-[* 1]	
LS	3KA1 4KA1, 4KB1 4KA2, 4KB2	4K1-DIN-TRM-LS-[* 2]	
	4KA3, 4KB3 4KA4, 4KB4	4K3-DIN-TRM-LS-[* 1]	

*1: Voltage (100 VAC / 200 VAC / 24 VDC)
*2: Voltage (100 VAC / 200 VAC)

Other optional parts

●Surge suppressor for attachment

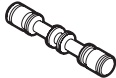
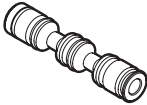
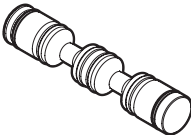
Voltage	Part model No.	Parts diagram
100 VAC	4K9-SURGE-KILLER -AC100V	
200 VAC	4K9-SURGE-KILLER -AC200V	
24 VDC	4K9-SURGE-KILLER -DC24V	
24 VDC or less for grommet	4K9-SUPPRESSION-F4-111751	

●Crimp terminal for compact terminal

Part model No.	Parts diagram
4K9-013	

Repair parts

●Spool assembly

Model No.	Part model No.	Parts diagram
3KA110, 3KA1110 4KA110, 4KB110	4K9-110-[* 1]	
3KA120 4KA120, 4KB130	4K9-118-[* 1]	
4KA130, 4KB130	4K9-111-[* 1]	
4KA140, 4KB140	4K9-112-[* 1]	
4KA150, 4KB150	4K9-113-[* 1]	
4KA210, 4KB210	4K9-150-[* 1]	
4KA220, 4KB220	4K9-126-[* 1]	
4KA230, 4KB230	4K9-127-[* 1]	
4KA240, 4KB240	4K9-128-[* 1]	
4KA250, 4KB250	4K9-129-[* 1]	
4KA310, 4KB310 4KA320, 4KB320	4K9-133-[* 1]	
4KA330, 4KB330	4K9-134-[* 1]	
4KA340, 4KB340	4K9-135-[* 1]	
4KA350, 4KB350	4K9-136-[* 1]	
4KA410, 4KB410 4KA420, 4KB420	4K9-140-[* 1]	
4KA430, 4KB430	4K9-141-[* 1]	
4KA440, 4KB440	4K9-142-[* 1]	
4KA450, 4KB450	4K9-143-[* 1]	

*1: Option (blank/A)

●Piston assembly

Model No.	Part model No.	Parts diagram
3KA110, 3KA1110 4KA110, 4KB110 3KA120 4KA120, 4KB130	4K9-151	
4KA130, 4KB130 4KA140, 4KB140 4KA150, 4KB150	4K9-152	
4KA210, 4KB210 4KA220, 4KB220	4K9-153	
4KA230, 4KB230 4KA240, 4KB240 4KA250, 4KB250	4K9-154	
4KA310, 4KB310 4KA320, 4KB320	4K9-137	
4KA330, 4KB330 4KA340, 4KB340 4KA350, 4KB350	4K9-138	
4KA410, 4KB410 4KA420, 4KB420	4K9-144	
4KA430, 4KB430 4KA440, 4KB440 4KA450, 4KB450	4K9-145	