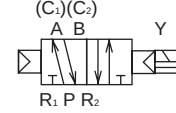
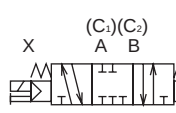
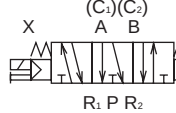
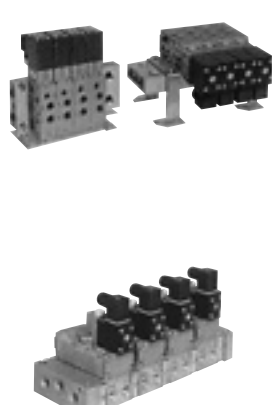
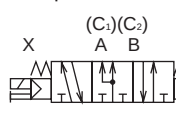


4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

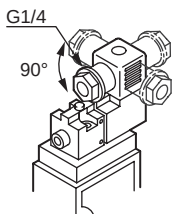
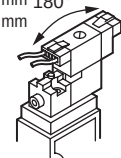
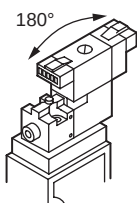
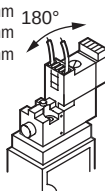
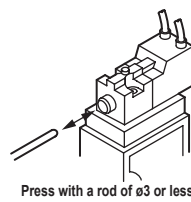
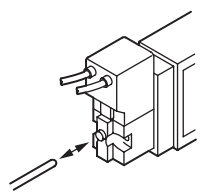
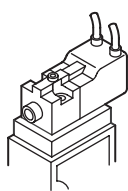
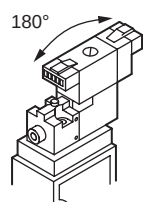
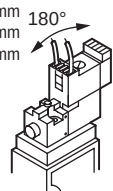
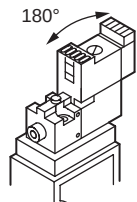
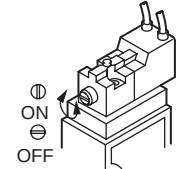
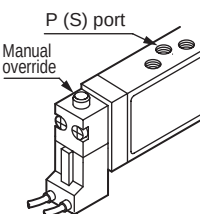
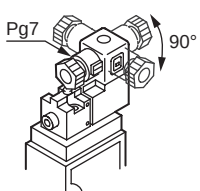
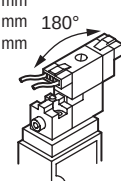
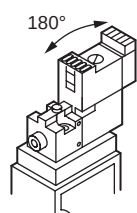
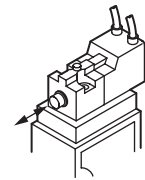
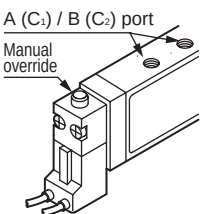
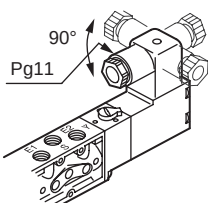
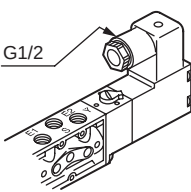
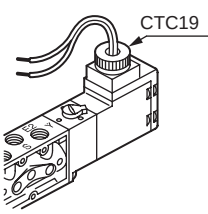
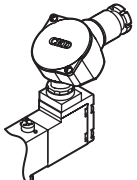
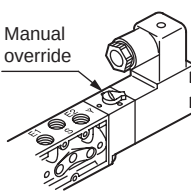
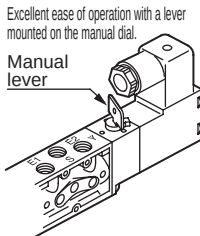
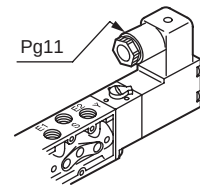
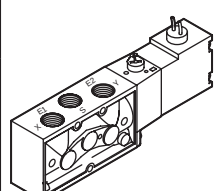
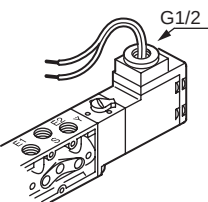
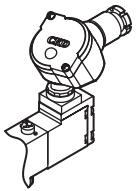
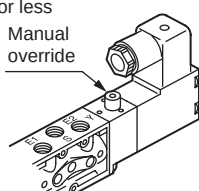
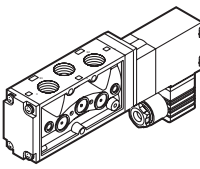
Piping method/series appearance			Model No.		Position Number of solenoids JIS symbol		Flow characteristics		Applicable cylinder bore size	Voltage (V)				
							C [dm ³ / (s·bar)] *1	Effective cross-sectional area S (mm ²)						
Single unit	4F 	Direct	5-port	(A)4F0 *A is single	4F0 to 4F7 ● 2-position single (C ₁)(C ₂)  R ₁ P R ₂ (E ₁)(S)(E ₂)	0.6 to 0.7	-	ø16 to ø20	100 AC 200 AC 24 DC Option 110 AC 220 AC 12 DC					
				4F1		1.5 to 2.0	-	ø20 to ø25						
				4F2		2.5 to 3.0	-	ø40 to ø80						
				4F2 (Outdoor)		2.5 to 3.0	-	ø40 to ø80						
				4F3		3.9 to 5.8	-	ø63 to ø100		100 AC 200 AC 24 DC				
				4F3 (Outdoor)		3.9 to 5.8	-	ø63 to ø100						
		Sub-plate	5-port	4F4	4F1 to 4F7 ● 3-position all ports closed (C ₁)(C ₂)  R ₁ P R ₂ (E ₁)(S)(E ₂)	5.0 to 5.3	-	ø63 to ø100	Option 110 AC 220 AC 12 DC					
				4F5		9.7 to 10	-	ø80 to ø160						
				4F6		15 to 18	-	ø140 to ø200						
				4F7		-	160	ø180 to ø250						
								● 3-position A/B/R (C ₁)(C ₂)  R ₁ P R ₂ (E ₁)(S)(E ₂)		0.6 to 0.7	-	ø16 to ø20	100 AC 200 AC 24 DC Option 110 AC 220 AC 12 DC	
										1.5 to 2.0	-	ø20 to ø25		
										2.5 to 3.0	-	ø40 to ø80		
										3.9 to 5.8	-	ø63 to ø100		100 AC 200 AC 24 DC
5.0 to 5.3	-	ø63 to ø100												
9.7 to 10	-	ø80 to ø160	Option 110 AC 220 AC 12 DC											
15 to 18	-	ø140 to ø200												
-	160	ø180 to ø250												
Individual wiring manifold	M4F 	Direct	5-port	(A)M4F0 *A is single	4F3 to 4F7 ● 3-position P/A/B (C ₁)(C ₂)  R ₁ P R ₂ (E ₁)(S)(E ₂)	0.6 to 0.7	-	ø16 to ø20	100 AC 200 AC 24 DC Option 110 AC 220 AC 12 DC					
				M4F1		1.5 to 2.0	-	ø20 to ø25						
				M4F2		2.5 to 3.0	-	ø40 to ø80						
				M4F3		3.9 to 5.8	-	ø63 to ø100		100 AC 200 AC 24 DC				
		Sub-plate	5-port	M4F4	5.0 to 5.3	-	ø63 to ø100	Option 110 AC 220 AC 12 DC						
				M4F5	9.7 to 10	-	ø80 to ø160							
				M4F6	15 to 18	-	ø140 to ø200							
				M4F7	-	160	ø180 to ø250							

*1: Effective cross-sectional area "S" and sonic conductance "C" are converted as $S \approx 5.0 \times C$.

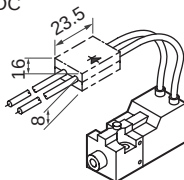
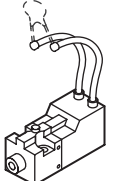
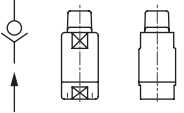
	Switching position						Port size of A/B port																	Electrical connections							Selection page	
	2-position single	2-position double	3-position all ports closed	3-position ABR connection	3-position PAB connection	Mix	Female thread																	Compact terminal box	DIN terminal box	C-connector	D-connector	Grommet lead wire	Conduit lead wire	With round terminal box		
							M5	Rp1/8	Rp1/4	Rp3/8	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4	NPT1	G1/8	G1/4	G3/8	G1/2	G3/4	G1	Rc1/4									Rc3/8
	●	●					●	●			●						●								●			●			1372	
	●	●	●	●				●		●							●	●							●		●	●				
	●	●	●	●					●			●						●								●			●	●		
	●	●	●	●					●			●						●											●		1400	
	●	●	●	●	●				●	●		●	●					●	●								●	●	●		1372	
	●	●	●	●	●				●	●		●	●					●	●										●		1400	
	●	●	●	●	●													●	●							●	●	●			1386	
	●	●	●	●	●									●					●	●					●			●	●	●		
	●	●	●	●	●										●	●				●	●					●			●	●		
	●	●				●	●	●		●							●								●		●	●			1410	
	●	●	●	●		●		●		●							●	●							●		●	●				
	●	●	●	●		●			●		●							●							●			●	●			
	●	●	●	●	●	●													●	●								●	●		1438	
	●	●	●	●	●	●							●							●	●					●		●	●			
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	●	●	●	●	●	●									●									●			●	●				

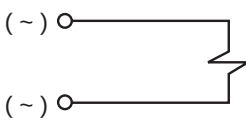
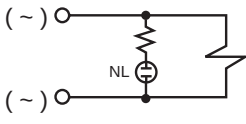
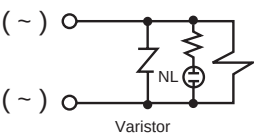
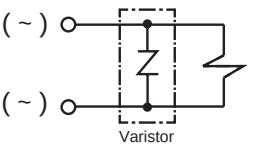
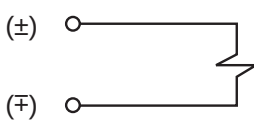
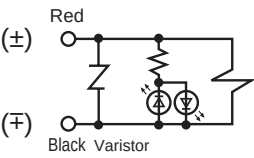
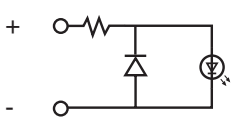
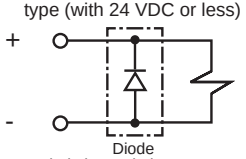
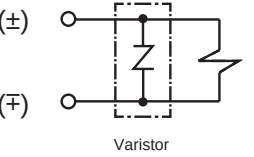
4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

* Refer to the following page for details on electrical connections/other options.

4GA/B	Electrical connections				Manual override		
M4GA/B							
MN4GA/B							
4GA/B (master)	4F0/4F1						
4GB With sensor	Blank/B Compact terminal box	C C-connector with lead wire	C3 C-connector without lead wire with surge suppressor/lamp	D2 D-connector with lead wire with surge suppressor/lamp	Blank Lateral non-locking	M6 Upward non-locking	
4GD/E		● Lead wire length C : 300 mm C00 : 500 mm C01 : 1000 mm C02 : 2000 mm 180° C03 : 3000 mm 		● Lead wire length D2 : 300 mm D20 : 500 mm D21 : 1000 mm D22 : 2000 mm D23 : 3000 mm 			
M4GD/E							
MN4GD/E							
4GA4/B4							
MN3E							
MN4E							
W4GA/B2	Blank/E Grommet lead wire	C1 C-connector without lead wire	D D-connector with lead wire	D3 D-connector without lead wire with surge suppressor/lamp	M1 Lateral locking	R Position change of manual override (4F0)	
W4GB4			● Lead wire length D : 300 mm D00 : 500 mm D01 : 1000 mm D02 : 2000 mm D03 : 3000 mm 				
MN3S0							
MN4S0							
4SA/B0							
4KA/B							
4KA/B (master)							
4F							
4F (master)	L Compact terminal box with lamp	C2 C-connector with lead wire with surge suppressor/lamp	D1 D-connector without lead wire		M4 Dust cover equipped non-locking	R Position change of manual override (4F1)	
PV5G		● Lead wire length C2 : 300 mm C20 : 500 mm C21 : 1000 mm C22 : 2000 mm C23 : 3000 mm 					
GMF							
PV5							
GMF							
PV5S-0							
3Q							
MV3QR							
3MA/B0	4F2 to 4F7						
3PA/B	Blank DIN terminal box	F DIN terminal box (G1/2)	E1 Conduit lead wire (CTC19)	B B1 G Round terminal box	Blank Locking	M3 Locking with manual lever	
P/M/B				B : G 1/2 B1 : G 3/4 G : G 1/2 (gland attached) 			
NP/NAP							
NVP							
4G*0EJ							
4F*0EX							
4F*0E							
HMV							
HSV							
2QV	L DIN terminal box with lamp	E Grommet lead wire	E2 Conduit lead wire (G 1/2)	BL Round terminal box (G 1/2) with lamp	M2 Non-locking	R Position change of manual override	
3QV							
SKH				GL : gland attached 			
Silencer							
TotAirSys (Total Air)							
TotAirSys (Gamma)							
Ending							

Electric connection circuit diagram

Other options	
S	Surge suppressor attached
DC	 24 VDC or less Lead wire only (Diode)
AC/DC	 DC items other than the lead wire and AC items
N	Plug attached
	 Assemble to NC/C₁ (A), E₁ (R₁) Assemble to NO/C₂ (B), E₂ (R₂)
S	Surge suppressor attached
N	Plug attached
H	(Check valve attached)
	

Voltage	Option	Wiring circuit	Electrical connections
AC	—		Grommet lead wire Terminal box (B/F) C connector (C/C0*/C1) D connector (D/D0*/D1)
	With indicator lamp		Terminal box (L, BL)
	With surge suppressor and indicator lamp	 Varistor	C connector (C2/C2*/C3) D connector (D2/D2*/D3)
	Surge suppressor attached	 Varistor	Surge suppressor attached (S)
DC	—		Grommet lead wire Terminal box (B/F) C connector (C/C0*/C1) D connector (D/D0*/D1)
	With surge suppressor and indicator lamp	 Red Black Varistor	Terminal box (L) C connector (C2/C2*/C3) D connector (D2/D2*/D3)
			Terminal box (BL)
	Surge suppressor attached	When using a suppression type (with 24 VDC or less)  Diode * Diode has polarity.	4F0/1 Grommet lead wire (24 VDC or less voltage only) The option code "S" will be included with the surge suppressor.
		 Varistor * Varistor has no polarity.	Surge suppressor attached (S)

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending