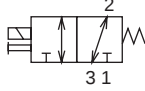
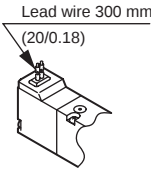
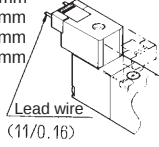
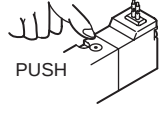
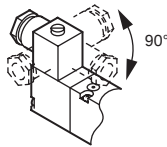
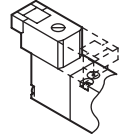
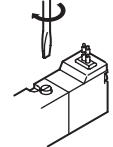
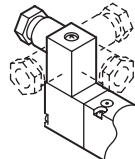
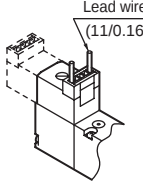
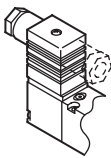
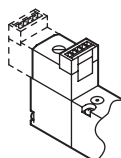
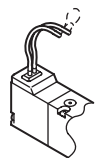
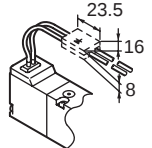
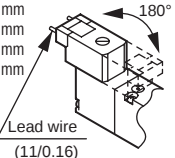
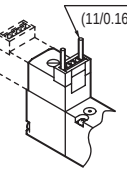
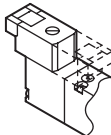
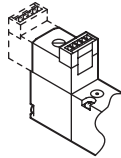
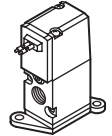


4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys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

Piping method/series appearance		Model No.	Position Number of solenoid valves JIS symbol	Valve performance		Voltage (V)	Switching position		
				Flow characteristics C [dm ³ /(s·bar)] *1	Applicable cylinder bore size		2-position single	Mix manifold	
Single unit	Body piping	3PA1	3PA2		0.34 to 0.38	100 AC 200 AC 24 DC	●		
		3PA2							
	Sub-plate piping	3PB1	3PB2						
		3PB2							
Individual wiring manifold	Body piping	M3PA*	M3PA1	● Universal * Port numbers 1, 2, and 3 are Port 1: P, NC Port 2: A, COM Port 3: R, NO	0.37 to 0.47	100 AC 200 AC 24 DC	●	●	
		M3PA2							
	Sub-plate piping	M3PB*	M3PB1						
			M3PB2						

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

	A port size						Electrical connections				Page
	Female thread			Push-in fitting			Grommet lead wire	Compact terminal box	C-connector	D-connector	
	M5	Rc 1/8	Rc 1/4	ø4	ø6	ø8					
	●			●	●		●	●	●	●	1612
		●			●	●	●	●	●	●	
		●					●	●	●	●	1612
		●	●				●	●	●	●	
	●			●	●		●	●	●	●	1620
		●			●	●	●	●	●	●	
		●		●	●		●	●	●	●	1620
					●	●	●	●	●	●	

Electrical connections				Manual override	
Blank	Grommet lead wire	C2	C-connector with lead wire with surge suppressor/lamp	Blank	Non-locking
	 Lead wire 300 mm (20/0.18)		● Lead wire length C2 : 300 mm C20 : 500 mm C21 : 1000 mm C22 : 2000 mm C23 : 3000 mm  Lead wire (11/0.16)		 PUSH This will operate while the switch is being pressed.
B	Compact terminal box	C3	C-connector without lead wire with surge suppressor and indicator lamp	M1	Locking
	 90°				 The unit will operate at approximately 90° in the ON direction. Note that normally this should be returned to OFF.
L	Compact terminal box lamp	D	D-connector lead wire	Others/options	
			● Lead wire length D : 300 mm D00 : 500 mm D01 : 1000 mm D02 : 2000 mm D03 : 3000 mm  Lead wire (11/0.16)		
LS	Compact terminal box, with surge suppressor/lamp	D1	D-connector without lead wire	S	Surge suppressor attached
					
C	C-connector lead wire	D2	D-connector lead wire with surge suppressor and indicator lamp	 DC (grommet lead wire) 23.5 16 8 Suppression connector	
	● Lead wire length C : 300 mm C00 : 500 mm C01 : 1000 mm C02 : 2000 mm C03 : 3000 mm  Lead wire (11/0.16) 180°		● Lead wire length D2 : 300 mm D20 : 500 mm D21 : 1000 mm D22 : 2000 mm D23 : 3000 mm  Lead wire (11/0.16)		
C1	C-connector without lead wire	D3	D-connector without lead wire with surge suppressor and indicator lamp	P	With mounting plate
					

* Refer to the following page for electric connection circuit diagrams.

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

3PA/3PB Series

Electric connection circuit diagram

Electric connection circuit diagram				
Voltage type	Option	Wiring circuit	Wiring method	
AC	-		Grommet lead wire Terminal box (B) C-connector (C/C0*/C1) D-connector (D/D0*/D1)	
	With indicator lamp		Terminal box (L)	
	With surge suppressor and indicator lamp		Terminal box (LS) C-connector (C2/C2*/C3) D-connector (D2/D2*/D3)	
	Surge suppressor attached (Option)		Surge suppressor attached (S)	
	DC	-		Grommet lead wire Terminal box (B) C-connector (C/C0*/C1) D-connector (D/D0*/D1)
		With indicator lamp		Terminal box (L) However, 3PA1/3PB1 are equipped with a surge suppressor and lamp.
		Surge suppressor/ with indicator lamp		Terminal box (LS) C-connector (C2/C2*/C3) D-connector (D2/D2*/D3)
		Surge suppressor attached (Option)		Grommet lead wire (The option code "S" will be attached with surge suppressor.)
				Surge suppressor attached (S)
				Varistor * Varistor has no polarity.