

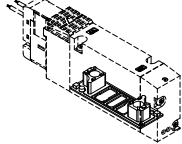
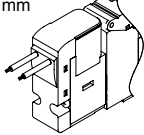
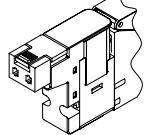
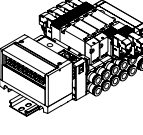
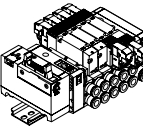
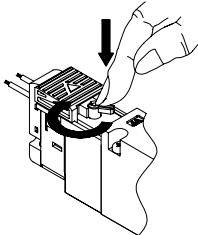
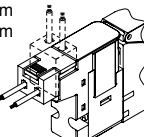
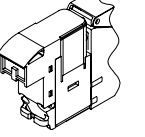
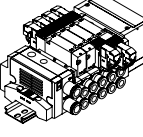
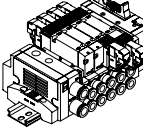
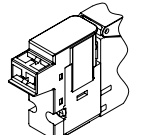
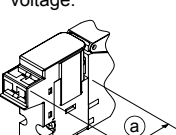
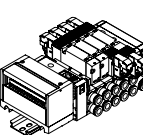
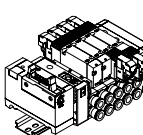
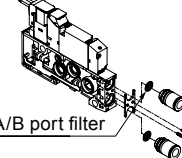
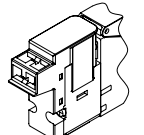
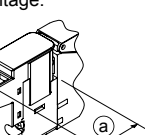
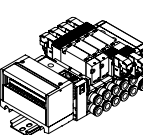
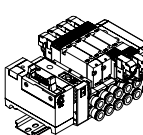
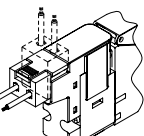
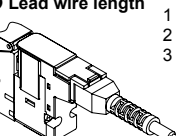
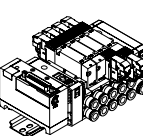
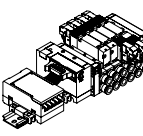
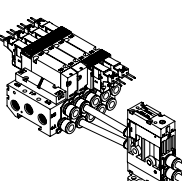
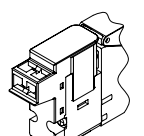
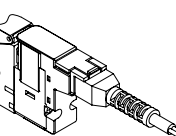
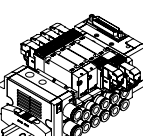
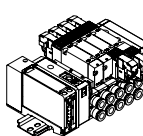



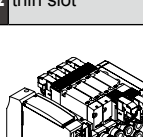




Series variation

MN4GD/4GE Series

* Refer to page 339 for metal base (integrated).

Appearance series	Model No.	Electrical connections	Position Number of solenoids JIS symbol	Valve performance		Voltage (V)			
				Flow characteristics C [dm ³ /(s·bar)]	Applicable cylinder bore size				
				*1					
Individual wiring manifold	Body piping	MN4GD180R	MN4GD1	Blank -E <input type="checkbox"/>	<ul style="list-style-type: none"> ● 3-port valve 2-position single NC 	1.0 to 1.2	φ20 to φ40	100 AC 200 AC 24 DC 12 DC (*2)	
		MN4GD280R	MN4GD2	Blank -E <input type="checkbox"/> -B <input type="checkbox"/>					<ul style="list-style-type: none"> 2-position single NO
	Base piping	MN4GE180R	MN4GE1	Blank -E <input type="checkbox"/>	<ul style="list-style-type: none"> ● 5-port valve 2-position single 	1.0 to 1.2	φ20 to φ40		
		MN4GE280R	MN4GE2	Blank -E <input type="checkbox"/> -B <input type="checkbox"/>					<ul style="list-style-type: none"> 2-position double
Reduced wiring manifold	Body piping	Terminal MN4GD280R	MN4GD1 (N3GD1) (N4GD1)	-T10 -T11 (-A2N)	<ul style="list-style-type: none"> ● 5-port valve 2-position single 	1.0 to 1.2	φ20 to φ40	24 DC 12 DC	
			MN4GD2 (N3GD2) (N4GD2)	-T30 -T5 <input type="checkbox"/> (-A2N)					<ul style="list-style-type: none"> 2-position double
		Connector MN4GD280R	MN4GD1 (N3GD1) (N4GD1)		-T6 <input type="checkbox"/> -T7 <input type="checkbox"/> -T8 <input type="checkbox"/> (-A2N)	<ul style="list-style-type: none"> 3-position all ports closed 	1.0 to 1.2	φ20 to φ40	
			MN4GD2 (N3GD2) (N4GD2)						<ul style="list-style-type: none"> 3-position A/B/R connection
		Serial transmission MN4GD180R	MN4GD1 (N3GD1) (N4GD1)			-T6 <input type="checkbox"/> -T7 <input type="checkbox"/> -T8 <input type="checkbox"/> (-A2N)	<ul style="list-style-type: none"> 3-position P/A/B connection 	1.0 to 1.2	φ20 to φ40
			MN4GD2 (N3GD2) (N4GD2)						
	Base piping	Terminal MN4GE180R	MN4GE1 (N4GE1)				-T6 <input type="checkbox"/> -T7 <input type="checkbox"/> -T8 <input type="checkbox"/> (-A2N)	<ul style="list-style-type: none"> 3-position P/A/B connection 	1.0 to 1.2
			MN4GE2 (N4GE2)	<ul style="list-style-type: none"> Two 3-port valves integrated NC/NC 					
		Connector MN4GE180R	MN4GE1 (N4GE1)	-T6 <input type="checkbox"/> -T7 <input type="checkbox"/> -T8 <input type="checkbox"/> (-A2N)	<ul style="list-style-type: none"> 3-position P/A/B connection 			1.0 to 1.2	φ20 to φ40
			MN4GE2 (N4GE2)						
		Serial transmission MN4GE280R	MN4GE1 (N4GE1)		-T6 <input type="checkbox"/> -T7 <input type="checkbox"/> -T8 <input type="checkbox"/> (-A2N)	<ul style="list-style-type: none"> 3-position P/A/B connection 		1.0 to 1.2	φ20 to φ40
			MN4GE2 (N4GE2)						

MN4GD/4GE Series

	Electrical connections				Manual operating device	Other options
	Discrete valve/individual wiring manifold		Reduced wiring manifold			
4GA/B					Blank	Non-locking/locking common
M4GA/B	Discrete valve/individual wiring manifold		Reduced wiring manifold			
MN4GA/B					Blank	H With exhaust check valve
4GA/B (mastr)	Blank ① Grommet lead wire	E3 E type connector with socket/terminal ① S L	T10 Common terminal block M3 thread specifications (left side)	T50 Flat cable with power supply terminal (left side)		
4GD/E	<ul style="list-style-type: none"> ● Lead wire length 300 mm 				(Standard equipment)	
M4GD/E						
MN4GD/E						Standard for pilot exhaust
4GA4/B4	E type connector ①	A2N A type connector downward without socket	T10R Common terminal block M3 thread specifications (right side)	T50R Flat cable with power supply terminal (right side)		
MN3E MN4E	<ul style="list-style-type: none"> ● Lead wire length 300 mm 500 mm 1 m 2 m 3 m 					A Ozone/cutting fluid proof product
W4GA/B2						
W4GB4						Select for coolant inflow and ozone measures.
4TB	E type connector without socket	<ul style="list-style-type: none"> ● For AC voltage, @ dimension is 3.5 mm longer than DC voltage. 	T11 Common terminal block clamping specifications (left side)	T5 ₁ Flat cable without power supply terminal (left side)		
4L2-4/ LMF0					(1) For non-locking, push to turn ON release to turn OFF (2) For locking push and turn 90° clockwise to hold the ON state Turn counterclockwise for unlock OFF	F A/B port filter integrated
MN3S0 MN4S0						
4SA/B0						Z1 Air supply spacer Z3 Exhaust spacer
4KA/B	E type connector with socket/terminal	BN DIN terminal box (BN: Without terminal box)	T11R Common terminal block clamping specifications (right side)	T5 ₁ R Flat cable without power supply terminal (right side)		
4KA/B (mastr)						
4F						
4F (mastr)						Air supply spacer
PV5G GMF	E type connector	E0*J EJ type connector	T30 D sub-connector (left)	T6*0 T6*1 Serial transmission		
PV5 GMF	<ul style="list-style-type: none"> ● Lead wire length 1 m 2 m 3 m 					Pilot check valve (Separate mount)
PV5S-0						
3QR 3QB						
MV3QR	E type connector ① S L	E2*J EJ type connector ① S L	T30R D sub-connector (right)	T7*0 T7*1 Serial transmission Thin slot		
3MA/B0						
3PA/B						
P/M/B						
NP/NAP/ NVP	E2N E type connector without socket ① S L	E2*J EJ type connector ① S L	T30R D sub-connector (right)	T8*1 T8*2 Serial transmission thin slot		
4F*0EX						
4F*0E						
HMV HSV						
2QV 3QV						
SKH						
PCD						
Silencer						
TotAirSys (Total Air)						
TotAirSys (Gamma)						
Ending						

Electric connection circuit diagram

Electrical connections		Without lead wire	With lead wire	With indicator lamp	With surge suppressor	Without socket	Circuit diagram
Blank	Grommet lead wire		●				<p>DC</p>
E0	E type connector		●				<p>DC</p>
E0*J	EJ type connector		●				
E0N	E type connector					●	<p>100 VAC</p>
E1	E type connector	●					
E2	E type connector		●	●	●		<p>DC</p>
E2*J	EJ type connector		●	●	●		
E2N	E type connector			●	●	●	<p>100 VAC</p>
E3	E type connector	●		●	●		
A2N	A type connector			●	●	●	<p>DC</p>
B	DIN terminal box	●		●	●		<p>DC</p>
	DIN terminal box (Without terminal box)	●					
BN	DIN terminal box (Without terminal box)	●			●		<p>200 VAC</p>

4GA/B
M4GA/B
MN4GA/B
4GA/B (mastr)
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
4TB
4L2-4/ LMF0
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (mastr)
4F
4F (mastr)
PV5G
GMF
PV5
GMF
PV5S-0
3QR
3QB
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP/ NVP
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending