



- Refer to Page 90 about metal base (integrated type).
- Refer to Page 316 about master valve.

Appearance/Series	Model	Electric connection	Position No. of solenoid JIS symbol	Valve faculty		Voltage (V)	Solenoid position									Port A/B						Electric connection										Selection page			
				Effective sectional area (2-position) (mm <sup>2</sup> )	Applicable cylinder bore size		2-position				3-position					Push in joint			Push in joint radial type			Electric connection													
							Normally closed	Normally open	Single	Double	All ports closed	ABR connection	PAB connection	Mix	4 dia.	6 dia.	8 dia.	4 dia.	6 dia.	8 dia.	M5 female thread	Rc 1/8	Electric connection												
															C4	C6	C8	CL4	CL6	CL8	M5	O6	Blank	E*	E*J	A2N	B	T1*	T30	T50	T51	T6*	T7*		
Individual wiring manifold	Body porting	MN4GA180	MN4GA1	Blank - E* - B	• 3 Port valve 2-position single NC type	4	20 to 40mm	AC100*1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	248	
		MN4GA2	Blank - E* - B	4	40 to 80mm	DC24	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	248	
	Sub base porting	MN4GB180	MN4GB1	Blank - E* - B	2-position single NO type	4	20 to 40mm	DC12			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	254			
		MN4GB2	Blank - E* - B	9	40 to 80mm	DC12			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	254		
Reduced wiring manifold	Body porting	Gland type MN4GA280	MN4GA1 (N3GA1) (N4GA1)	- T10 - T11 (-A2N)	• 5 Port valve 2-position single	4	20 to 40mm	DC24*2 DC12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	260		
			MN4GA2 (N3GA2) (N4GA2)	- T10 - T11 (-A2N)	9	40 to 80mm	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	
		Connector type MN4GA280	MN4GA1 (N3GA1) (N4GA1)	- T30 - T5* (-A2N)	2-position double	4	20 to 40mm		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
			MN4GA2 (N3GA2) (N4GA2)	- T30 - T5* (-A2N)	9	40 to 80mm	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
		Serial transmission MN4GA180	MN4GA1 (N3GA1) (N4GA1)	- T6* - T7* (-A2N)	3-position all ports closed	4	20 to 40mm		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
			MN4GA2 (N3GA2) (N4GA2)	- T6* - T7* (-A2N)	9	40 to 80mm	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
	Sub base porting	Gland type MN4GB180	MN4GB1 (N4GB1)	- T10 - T11 (-A2N)	3-position A/B/R connection	4	20 to 40mm		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	274		
			MN4GB2 (N4GB2)	- T10 - T11 (-A2N)	9	40 to 80mm	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	
		Connector type MN4GB180	MN4GB1 (N4GB1)	- T30 - T5* (-A2N)	3-position P/A/B connection	4	20 to 40mm		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
			MN4GB2 (N4GB2)	- T30 - T5* (-A2N)	9	40 to 80mm	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
		Serial transmission MN4GB280	MN4GB1 (N4GB1)	- T6* - T7* (-A2N)	3-position P/A/B connection	4	20 to 40mm		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
			MN4GB2 (N4GB2)	- T6* - T7* (-A2N)	9	40 to 80mm	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●

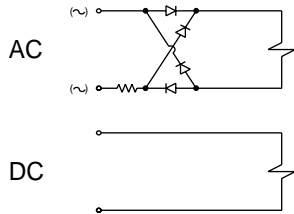
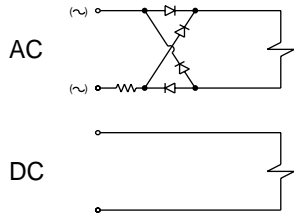
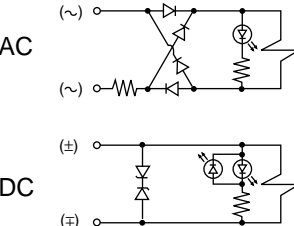
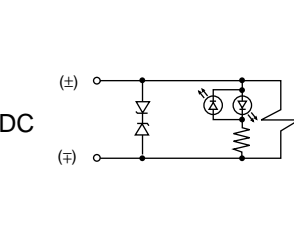

4SA/B0  
4SA/B1  
4GA/B  
**MN4GA/B**  
4GA/B (master)  
MN3S0/  
MN4S0  
4TB  
4L2-4/  
LMFO  
4KA/B  
4F  
PV5/  
CMF  
3MA/B0  
3PA/B  
P/M/B  
NP/NAP/  
NVP  
4F\*\*0E  
HMV/  
HSV  
Uniwire  
system  
SKH  
PCD/  
FS/FD  
Block manifold  
3, 5 port  
pilot operated valve

Electric connection				Manual override	Other options
Discrete valve/Individual wiring type manifold		Reduced wiring type manifold			
<b>Blank</b> Grommet lead wire (W)	<b>E3</b> E-connector, socket terminal attached (S) (L)	<b>T10</b> Common gland (left) M3 thread	<b>T50</b> Flat cable w/power supply terminal (left)	Non-locking/ locking type (standard)	<b>H</b> Check valve
Lead wire length 300mm 					 Pilot exhaust provided as standard.
<b>E0</b> E-connector (W)	<b>A2N</b> A-connector radial, downward, no socket	<b>T10R</b> Common gland (right) M3 thread	<b>T50R</b> Flat cable w/power supply terminal (right)	(1) For non-locking Push to turn ON Release to turn OFF  (2) For locking Push + turn 90° clockwise to hold ON Turn counterclockwise to release locking OFF.	<b>K</b> External pilot
Lead wire length 300mm 500mm 1m 2m 3m 					For main and pilot pressures, individual circuits are provided.
<b>E0N</b> E-connector, no socket	For AC 100V, Dimension (a) is 3.5mm longer than DC 12/24V.	<b>T11</b> Common gland (left) push in fitting	<b>T5<sup>1</sup>/<sub>3</sub></b> Flat cable w/o power supply terminal (left)	<b>A</b> Ozone/coolant proof	Prevents coolant intrusion and ozone deterioration.
<b>E1</b> E-connector, socket terminal attached	<b>B</b> DIN terminal box	<b>T11R</b> Common gland (right) push in fitting	<b>T5<sup>1</sup>/<sub>3</sub>R</b> Flat cable w/o power supply terminal (right)	<b>F</b> Filter incorporated in Port A/B	 Port A/B filter
<b>E2</b> E-connector (W) (S) (L)	<b>E0*J</b> EJ-connector (W)	<b>T30</b> D-sub connector (left mount)	<b>T6<sup>0</sup>/<sub>6</sub>*1</b> Serial transmission		
	Lead wire length 1m 2m 3m 				
<b>E2N</b> E-connector No socket (S) (L)	<b>E2*J</b> EJ-connector (W) (S) (L)	<b>T30R</b> D-sub connector (right mount)	<b>T7<sup>0</sup>/<sub>7</sub>*1</b> Serial transmission Thin slot type		

# Electric connection circuit diagram

## Electric connection (wiring method)

(B) : No lead wire    (W) : With lead wire    (L) : Indicator light  
 (S) : Surge suppressor    (N) : No socket

<b>Blank</b> Grommet lead wire (W)	<b>E0</b> E-connector/EJ-connector <b>E0'J</b> (W)		4SA/B0 4SA/B1 4GA/B <b>MN4GA/B</b> 4GA/B (master) MN3S0/ MN4S0
<b>E0N</b> E-connector (N)	<b>E1</b> E-connector (B)		4TB 4L2-4/ LMF0 4KA/B 4F PV5/ CMF
<b>E2</b> E-connector/EJ-connector <b>E2'J</b> (W) (L) (S)	<b>E2N</b> E-connector (L) (S) (N)		3MA/B0 3PA/B P/M/B NP/NAP/ NVP 4F**0E
<b>E3</b> E-connector (B) (L) (S)	<b>A2N</b> A-connector (L) (S) (N)		HMV/ HSV Uniwire system SKH PCD/ FS/FD
<b>B</b> DIN terminal box (W) (L) (S)	• Zener diode for surge suppressor is used.		3, 5 port pilot operated valve Block manifold