

MN4GA/B

4F PV5G/ CMF PV5/ CMF

3MA/B0

Discrete master valve, manifold (metal base) Body porting

3GA1/2/3, 4GA1/2/3 Series

Applicable cylinder bore size: ø20 to ø100



Common specifications

4GA/B (Master)	Common specifications						
	Descriptions						
W4GA/B2	Type of valve and operation method	Pilot operated soft spool valve					
	Working fluid	Compressed air					
W4GB4	Max. working pressure MPa	0.7					
	Min. working pressure Note 1 MPa	Refer to main pressure in the table below.					
MN3S0 MN4S0	Withstanding pressure MPa	1.05					
	Ambient temperature °C	-5 to 55 (no freezing)					
4TB	Fluid temperature °C	5 to 55					
4L2-4/ LMF0 4SA/B0	Manual override	Non-locking/locking common					
	Pilot exhaust method	Main valve/pilot operated valve common exhaust type					
	Lubrication Note 2	Not required					
4SA/B1	Protective structure Note 3	Dust proof					
	Vibration/impact m/o2	50 or less / 300 or less					
4KA/B	vibration/impact m/s-	50 01 less / 500 01 less					
	Working environment	Containing corrosive gas is impermissible.					

Note 1: The pressure below must be supplied to the P port when using
manual override.
2-position 0.1MPa and over
3-position 0.2MPa and over
Note 2: Use the turbine oil Class 1 ISO VG32 if lubricated.
Excessive or intermittent lubrication results in instable operation

Note 3: Check that water drops or oil, etc., do not come into contact.

Each model's specifications

Body porting (discrete, manifold)

		0 (,	/				
3PA/R	No. of port	Model no.		Solenoid position	Pilot port	Main pressure	Pilot signal pressure MPa	Other specifications
		Discrete	Manifold		PA/PB			page Note
P/M/B	3 port	3GA1**1	M3GA1**1	2-position single	M5	0.2 to 0.7	(0.6 x main pressure + 0.06) to 0.7	Discrete: Page 90 Manifold: Page 156
		3GA2**1	M3GA2**1					
NP/NAP/	IAP/	3GA3**1	M3GA3**1	1.10.0.1				
NVP	DE V V / / / - - - - - - - - - - - - - - -	4GA111	M4GA111	2-position single	M5	0.2 to 0.7	(0.6 x main pressure + 0.06) to 0.7	
4F*0E		4GA121	M4GA121	2-position double		0 to 0.7	0.2 to 0.7	
		4GA131	M4GA131	3-position				
HSV		4GA211	M4GA211	2-position single	M5	0.2 to 0.7	(0.6 x main pressure + 0.06) to 0.7	
2QV		4GA221	M4GA221	2-position double		0 to 0.7	0.2 to 0.7	
3QV		4GA231	M4GA231	3-position				
SKH		4GA311	M4GA311	2-position single	M5	0.2 to 0.7	(0.6 x main pressure + 0.06) to 0.7	
0.01		4GA321	M4GA321	2-position double		0 to 0.7	0.2 to 0.7	
PCD/		4GA331	M4GA331	3-position				

Note: Other specifications are common with 4G series. Refer to pages of each specifications.

Ending



discrete valve's 4 (A) or 2 (B) port.

CKD 339

3GA/4GA Series