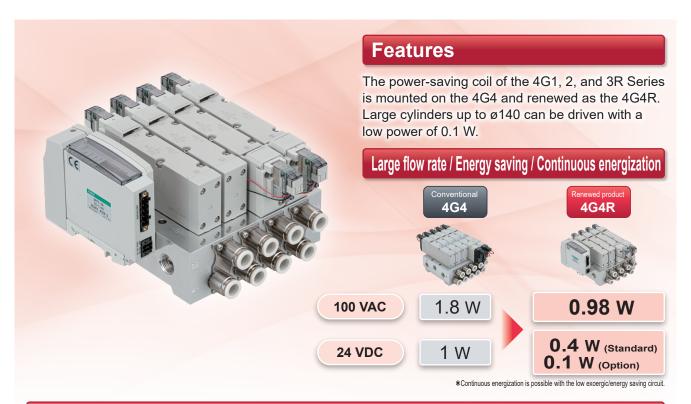


Pilot operated 5-port valve (M)4G^A_B4R Series



A diverse lineup (Discrete / Manifold / Reduced wiring)

Single valve / Body piping / Base piping

4GA4 Series

Max. C value of 15 with a compact body



M4GA4 Series

Manifold max. C value of 9.5



Reduced wiring manifolds

M4GA4-T* Series



D-sub-connector
Flat cable connector



Serial transmission

CC-Link

EtherCAT

EtherNet/IP

DeviceNet

CC-Link IE Field Basic

CC-Link IE TSN

PROFINET

IO-Link

(M)4GA4R, 4GB4R Series

How to order

●Pilot operated 5-port valve 4GA4 ●5-port valve for integrated base **4GB4** ●Pilot operated 5-port valve 9R - 00 **E2 4GB4** ●5-port valve for integrated base Solenoid valve operation 3 Electrical Model No. Voltage

1 Solenoid position

- 1 Solenoid position 2 Port size 4 Option 4GA4 Manifold Single solenoid valve for manifold **4GA4**
- **4GB4** Manifold 5-port valve
- ●5-port valve for discrete base mounting
- QD 3 3 **4GB4** 9R - 00 **E2** \(\text{A} 3 Electrical **5** Mount type Model No. Solenoid valve operation 7 Voltage

2 Port size

Equipped model No.

Only the items newly added (option, voltage) and changed (electrical connection shape) are shown in this catalog. For details on the 4GA4, 4GB4, M4GA4, M4GB4 Series (specifications, model Nos.), refer to the CKD Components Product Website (https://www.ckd.co.jp/en/).



6 Station No.

3 Electrical connections

Туре	Lead wire (mm)	Surge suppressor	Lamp	Code		
Grommet lead wire	300			Blank		* 1
DIN terminal box (Pg7)		•	•	В		*2 *3
		•		BN		*2 *3
E-connector (Lead wire upward/lateral common)	300 500 1000 2000 3000 300 500 1000 2000 3000	•	•	E0 E00 E01 E02 E03 E2 E20 E21 E22 E23 E0N E2N	Socket None Socket with	
EJ-connector (Socket with cover, upward/lateral common)	1000 2000 3000 1000 2000 3000	•	•	E01J E02J E03J E21J E22J E23J	terminal	

- **★**1: The grommet lead wire specifications are compatible with DC voltage only.
- *2: A lamp comes with the terminal box.
- *3: The terminal box conforms to EN175301-8037TypeC (former DIN43650-C). See CKD Components Product Website (https://www.ckd.co.jp/kiki/jp/en/) \rightarrow "Model No.→ Instruction manual for details.

4 Option

4 Option

	<u> </u>				
	Code	Description			
	Blank	No option			
	А	Coolant proof			
* 1	S	Surgeless			
* 2	Е	Low exoergic/energy saving circuit			
	F	Port A/B filter built in			

- **★1: 3**E2**★**, E2**★**J electrical connections, **3**Only the voltage "3" 24 VDC and "4" 12 VDC are supported. In addition, surgeless "S" and low exoergic/energy saving circuit "E" cannot be selected together.
- *2: Surgeless specifications.

Voltage

Code	Description
1	100 VAC
2	200 VAC
3	24 VDC
4	12 VDC
5	110 VAC

Common specifications

Item Division		Description				
	Valve and operation	Pilot operated soft spool valve				
Working fluid		Compressed air				
Max. working pressureMPa		0.7				
	Min. working pressureMPa	0.2				
	Proof pressure MPa	1.05				
	Ambient temperature°C	-5 to 55 (no freezing)				
	Fluid temperature °C	5 to 55				
	Manual override	Non-locking/locking common				
	Lubrication (*1)	Not required				
	Degree of protection (★2)	Dust-proof [IP40 equivalent (DIN terminal box: IP65)				
	Vibration resistancem/s ²	50 or less				
	Shock resistancem/s ²	300 or less				
	Atmosphere	Cannot be used in corrosive gas environment				

- **★**1: Use turbine oil Class 1 ISOVG32 for lubrication. Excessive or intermittent lubrication results in unstable operation.
- *2: Avoid water drops or oil, etc., during use. IP65 (water jet proof) or equivalent applies for DIN terminal box specifications. However, the specified outer diameter of the cord and tightening torque must be used for fixing in place.

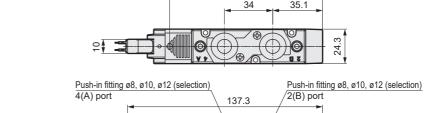
Electrical specifications

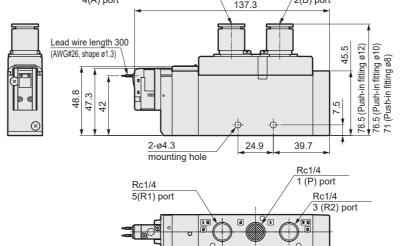
Electrical openioations								
Item Division		Description						
Rated voltage V		24 DC	12 DC	5 DC	3 DC	100 VAC	110 VAC	200 VAC
Voltage fluct	±10%							
Holding current (A) (*3)	Standard	0.015 (0.017)	0.030 (0.034)	0.072 (0.082)	0.120 (0.136)		109 109)	0.006 (0.006)
	With Low exoergic/energy saving circuit	0.005	0.010	-		-		
Power	Standard	0.35(0.40)		0.35(0.40)		-		
consumption W (*3)	With Low exoergic/energy saving circuit	0.1		-		-		
Apparent power VA (*3)	Standard	-		-			93 98)	1.20 (1.40)
Thermal cl	В							
Surge supp	Option							
Indicator	Lamp (option)							
+2. Values in () apply when leave is included in addition, the time with law								

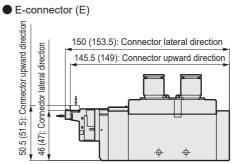
^{*3:} Values in () apply when lamp is included. In addition, the type with low exoergic/energy saving circuit is only available with lamp.

Dimensions

4GA410 107.7 (manual operation position)



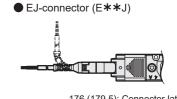




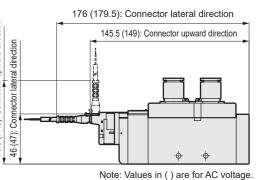
Note: Values in () are for AC voltage.

23.5 23.5

52.1



DIN terminal box (B)



MAX10 162.5 (DIN terminal box outer direction)

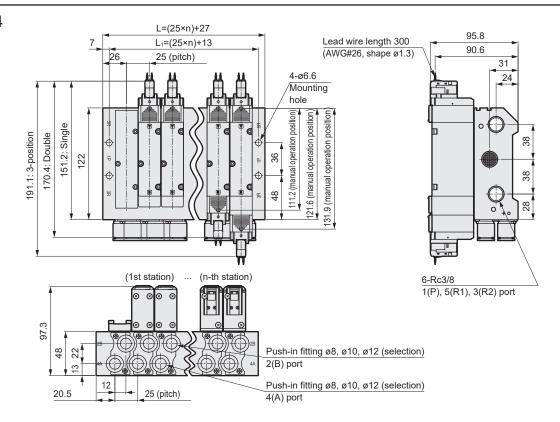
Note: DIN terminal box assembly is shipped facing inward

160.5 (DIN terminal box inner direction)

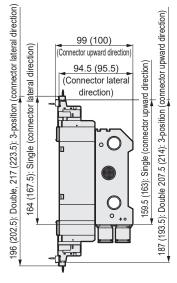
(M)4GA4R, 4GB4R Series

Dimensions

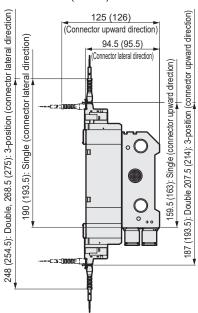
M4GB4



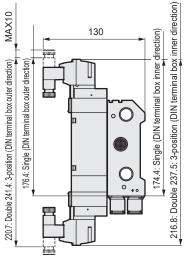
E-connector (E)



■ EJ-connector (E**J)



DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

🛕 R

Read the "Safety Precautions" and "Instruction Manual" on the CKD Components Product Site (https://www.ckd.co.jp/en/) before use.



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Note: Values in () are for AC voltage.

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Note: Values in () are for AC voltage.