4G optional sensor attached

Specifications/how to order

Valve specifications

Common specifications

Descriptions	Content
Valve and operation	Pilot operated type soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	0.7
Min. working pressure MPa	0.2
Proof pressure MPa	1.05
Ambient temperature °C	-5 to 55 (no freezing)
Fluid temperature °C	5 to 55
Manual operating device	Non-locking/locking common type (standard)
Pilot exhaust method	Main valve/pilot valve common exhaust
Lubrication	Not available
Degree of protection *1	Dust proof
Vibration resistance m/s ²	50 or less
Shock resistance m/s ²	300 or less
Atmosphere	Cannot be used in corrosive gas environments

^{*1:} Avoid water drops or oil, etc., during use. IP65 (jet-proof) applies for DIN terminal box specifications. However, the specified outer diameter of the cord and tightening torque must be used for fixing in place. Note that the pressure sensor is rated to IP40.

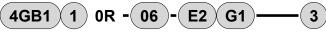
Electrical specifications

Description		Content					
Rated voltage V		DC24	DC12	DC5	DC3	AC100	AC200
Voltage fluctuation range		±10%					
Holding current A (*2)	Standard	0.015 (0.017)	0.030 (0.034)	0.072 (0.082)	0.120 (0.136)	0.009 (0.009)	0.006 (0.006)
	Low exoergic/energy circuit	0.005	0.010	-		-	
Power consumption W (*2)	Standard	0.35 (0.40)		0.35 (0.40)		-	
	Low exoergic/energy circuit	0.1		-		-	
Apparent power VA (*2) (*3)	Standard	-		-		0.93 (0.98)	1.40
Thermal class		В					
Surge suppressor		Option					
Indicator		Lamp (option)					

^{*2:} Values in () apply when a lamp is attached. In addition, the type with low exoergic/energy circuit is only available with lamp.

How to order

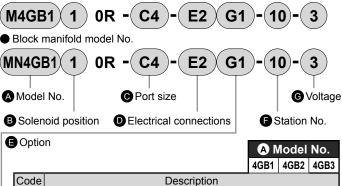
Discrete valve



Single valve for mounting base

Manifold model No

Option



- Model No. in this catalog

G1*1 | 1-port detection type (pressure range 0 - 0.7 MPa)

G2 2-port detection type (pressure range 0 - 0.7 MPa)

Only the model No. of added sensor options (G*) are included in this catalog. For details on the 4GB, M4GB, and MN4GB series (specifications, model No., etc.), see the "Pneumatic Valves" (Catalog No. CB-023SA).

Sensor specifications

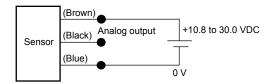
Discrete specifications

Description		Positive pressure	Negative pressure *2		
Working pressure *1		0 to 1.0 MPa	-100 kPa to 0		
Service voltage		10.8 to 30.0 VDC			
Current consumption		5 mA (24 VDC no load)			
Pressure detection method		Diffused semiconductor			
Ambient temperature		0 to 55°C			
Proof pressure		1.5 MPa	0.5 MPa		
Degree of protection		Dust proof			
	Output voltage	1 to 5 V			
Analog	Zero point voltage	1±0.1 V			
Analog	Linearity	±0.5%F.S. max			
output	Temp characteristics	±2%F.S. max			
	Output current	0.5 mA max (load resistance 10 kΩ)			
Wiring method		Connector			
Wire length		1000 mm			

^{*1:} Use the lower working pressure range of the valve or pressure

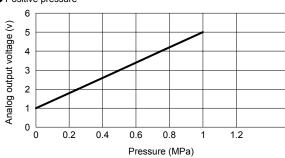
Lead wire color and content (Pressure sensor)

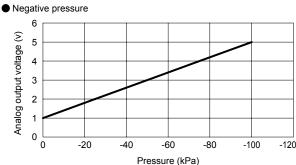
Line color	Content			
Brown	Power supply (10.8 to 30.0 VDC)			
Black	Analog output (1 to 5 V)			
Blue	GND (0 V)			



Analog output

Positive pressure





^{*3: 200} VAC is the value of DIN terminal box (with lamp).

^{*1:} G1 is only available in single or double.

^{*2:} Negative type only supports a discrete sensor.

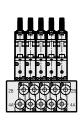
4G optional sensor attached

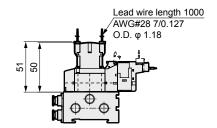
Dimensions

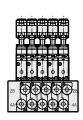
● 4GB1*R

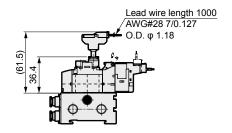
· 2 - port detection

1 - port detection





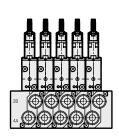


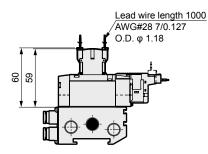


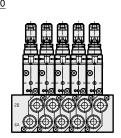
● 4GB2*R

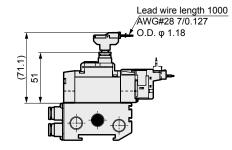
· 2 - port detection

• 1 - port detection





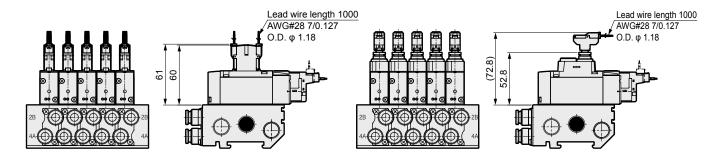




● 4GB3*R

· 2 - port detection

· 1 - port detection





Read the precautions described in "Pneumatic Valves" (Catalog No. CB-023SA) before use.

If the goods and/or their replicas, the technology and/or software found in this catalog are to be exported, law requires that the exporter makes sure that they will never be used for the development and/or manufacture of weapons for mass destruction.

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