

5/2 SERIES M

Directional Valve 5/2 (NAMUR) Solenoid Valve Pilot-oriented 1 - 4 series body size

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Features

- Pilot-oriented of internal pilot or external pilot.
- Structure in sliding column with good tightness and sensitive reaction.
- Double control solenoid valves have memory function.
- Internal hole adopts special processing technology with the only 3-5 μm thickness of an anti-wear coating, providing little attrition friction, low start pressure and long service life.
- No need to add oil for lubrication.
- Install in the side plate with the surface upward, which can be used by directly connecting with the actuators.
- Affiliate manual device are equipped to facilitate installation and debugging.



Product Information

Model	M4110-M5 M4110-06	M4120-M5 M4120-06	M4210-06 M4210-08	M4220-06 M4220-08	M4310-08 M4310-10	M4320-08 M4320-10
Weight (g)	120	175	220	320	310	400
Material of Body	Aluminum alloy					
Valve Type	5 ports and 2 positions					
Thread Type	G thread standard default, PT, NPT thread are available					
Lubrication Notes	Once lubricated used, continue with same medium to optimize valve life span					
DIN Connector	A variety of color options: Black, Translucent Tawny, Transparent					

Specifications

Model	M4110-M5 M4120-M5	M4110-06 M4120-06	M4210-06 M4220-06	M4210-08 M4220-08	M4310-08 M4320-08	M4310-10 M4320-10	M4410-10 M4420-10	M4410-15 M4420-15
Port size	M5	1/8"	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"
Orifice Size (Cv)	10.2 mm ² Cv=0.6	10.2 mm ² Cv=0.6	17 mm ² Cv=1.00	17 mm ² Cv=1.00	28 mm ² Cv=1.65	28 mm ² Cv=1.65	50 mm ² Cv=2.79	50 mm ² Cv=2.79
Working Medium	Air (to be filtered by 40 μm filter element)							
Acting Type	Internal pilot type / External pilot type							
Reset Type	Air reset / Spring reset							
Lubrication	Not required							
Working Pressure	0.15 - 0.8 Mpa (21 - 114 Psi)							
Max. Proof Pressure	1.2 Mpa (0 - 174 Psi)							
Working Temperature	-5 - 60 (No Freezing)							
Voltage Range	AC : ±15% & DC: ±10%							
Power Consumption	AC220V: 3.5 VA		AC110V: 3.5 VA		AC24V: 4.0 VA		DC24V: 2.5 W	
Insulation & Protection	Class F ; IP65 (DIN40050)							
Connection Form	Line type or Terminal type							
Highest Acting Frequency	5 Cycles / Second							
Shortest Excitation Time	0.05 Second							

Ordering Code

Ordering Code: M A 4 2 1 0 - 0 6 / / / J - N

Series Code:
M: 5/2 NAMUR series
MA: 5/2 NAMUR Air Control

Body Size:
1: 1 series body size
2: 2 series body size
3: 3 series body size
4: 4 series body size

Coil Control:
10: Single Coil Control
20: Double Coils Control

Port Size:
M5: M5
06: 1/8"
08: 1/4"
10: 3/8"
15: 1/2"

VOLTAGE:
A1: AC380V
A2: AC220V
A3: AC110V
A4: AC24V
D1: DC12V
D2: DC24V

Electrical Entry:
Blank: DIN Connector
F: Flying leads (0.5m)

Thread Standard:
Blank: G
P: PT
N: NPT

DIN Connector Type:
Blank: Brown Translucent
B: Black Non-Translucent
J: Translucent

Note: Valve body color can be customized. Please consult SENYA staffs for more details.

Note: If choose MA series air control, no need for this code.

Note: If chooses M5 thread, no need for this code.

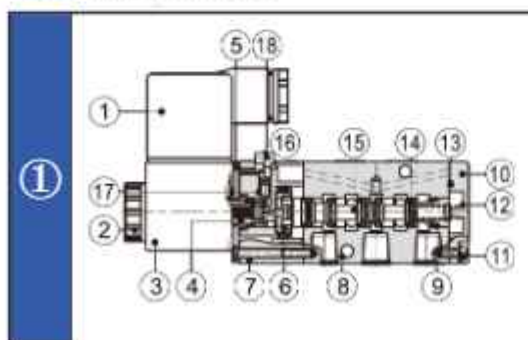
Note: It only for DIN connector option.

Ordering Example:

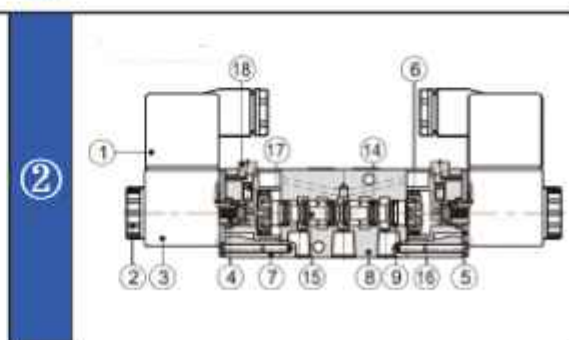
5/2 ways, solenoid valve (NAMUR), 2 series body size, single coil control, AC220V, DIN connector, 1/8" G
SENYA part# M4210-06A2

Product Structure:

① Single Coil Control



② Double Coils Control



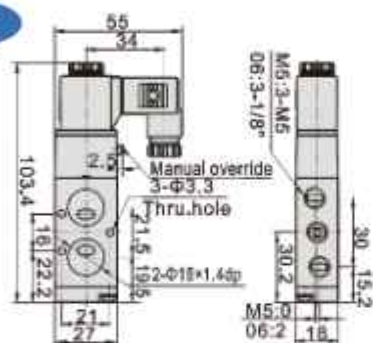
1	Connector	4	Armature	7	Pilot kit	10	Bottom cover	13	Bottom cover gasket	16	Piston O-ring
2	Coil net	5	Fixed plate	8	Body	11	Fixed Screw	14	Spool O-ring	17	Override spring
3	Coil	6	Piston	9	Wear ring	12	Spool spring	15	Spool	18	Manual override

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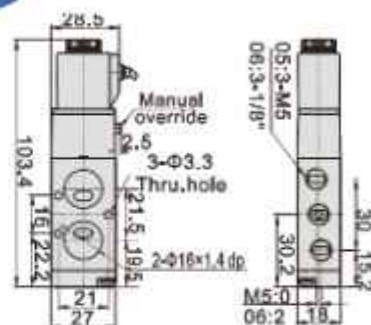
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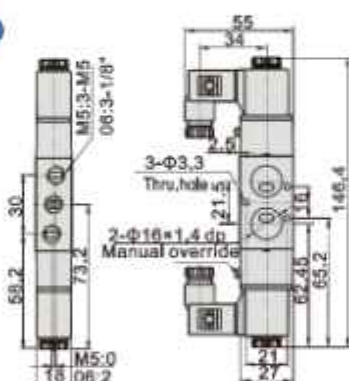
1 series
DIN, SC



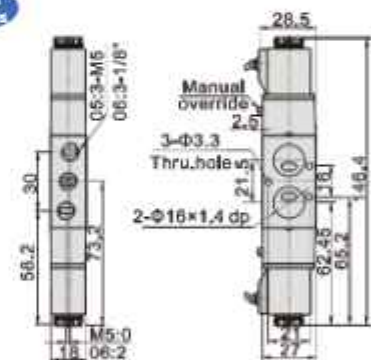
1 series
FL, SC



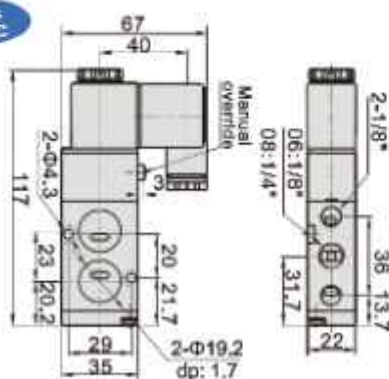
1 series
DIN, DCs



1 series
FL, DCs



2 series
DIN, SC



2 series
FL, SC

