

5Port Pilot Operated Solenoid Valve

PHS500 Series

Rubber Seal / In-Line type

PHS500S	2 Position Single Solenoid
PHS500D	2 Position Double Solenoid
PHS500C	3 Position Center closed
PHS500E	3 Position Exhaust center
PHS500P	3 Position Pressure center



Specification

Item	Unit	PHS500S	PSH500D	PHS500C	PHS500E	PHS500P
Fluid		Non-Lubricated/Lubricated Air				
Port Size	M	M5				
Effective Area	mm ²	3.6		3.0		
Operating Temperature	℃	5 ~ 60				
Pressure Range	MPa(bar)	0.15 ~ 1.0 (1.5 ~ 10.0)			0.2 ~ 1.0 (2.0 ~ 10.0)	
Max. Operating Cycle	cycle/s	5			3	
Response Time	ms	25 less			35 less	
Exhaust type		Individual Exhaust				
Manual Override		Non-Lock(standard)/Lever-Lock(option)				
Shock/Vibration Resistance	m/s ²	30G~5G (8.3~200Hz)				
Voltage	V	DC24V, AC110V, AC220V(50 ~60Hz)				
Allowable Voltage Fluctuation	%	AC : ±20% / DC : ±10%				
Power Consumption	W, VA	DC : 2.5W, AC : 3.5VA (60Hz)				
Insulation Class		F Class				
Wiring		Lead Wire, DIN Connector				
Indicate Lamp		LED				

PHS500 Series

ORDER KEY

PHS500

S

M5

110V

P

L

1

2

3

4

5

6

1. Series

5 Port Solenoid Valve

2. Function

S	Single Solenoid
D	Double Solenoid
C	Center Closed
E	Exhaust Center
P	Pressure Center

3. Port Size

M5	M5 × 0.8
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4. Voltage

24V	DC24V
110V	AC110V
220V	AC220V

5. Wiring

No mark	Lead Wire
P	Horizontal Connector
V	Perpendicular Connector

6. Manual Override

No mark	Non-Lock
L	Lever-Lock

Coil & Connector

Coil

PEC3

24V

D

Voltage

24V	DC24
110V	AC 110V
220V	AC 220V

Wiring

No mark	Lead wire
D	DIN

Connector (3pin connector plug)

PES3

06

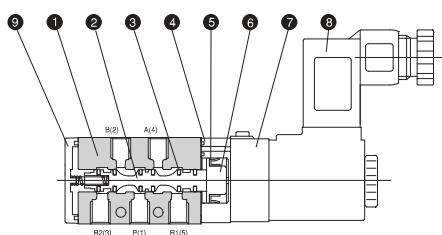
Wire lenght

06	600 mm(standard)
10	1,000 mm

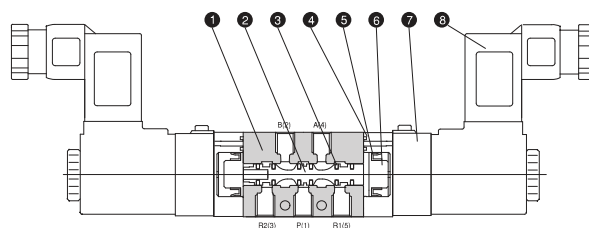
PHS 500 Series

Construction

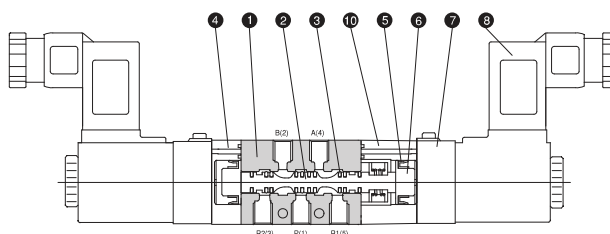
Single Solenoid Valve



Double Solenoid Valve



3 Position Solenoid Valve



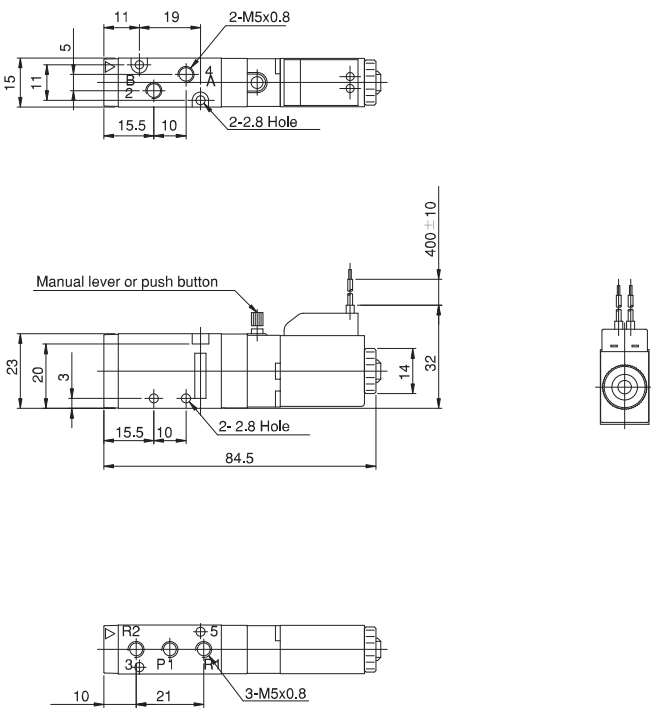
NO.	Description	Material
1	Body	Aluminum Diecasting
2	Spool	Aluminum Diecasting
3	Spool Packing	NBR
4	Cap	Zinc
5	Piston	Resin
6	Semi Pilot	Zinc
7	Pilot	Resin
8	Coil Ass'y	Resin
9	End Cover	Zinc
10	Block Pilot	Zinc

PHS500 Series

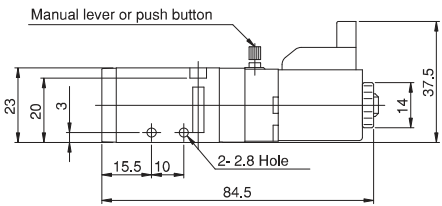
Dimension

(Unit: mm)

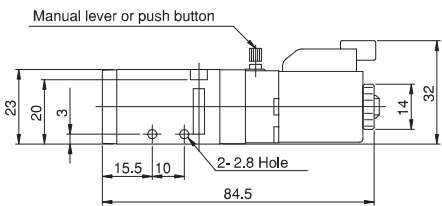
PHS500S



Perpendicular Connector



horizontal Connector

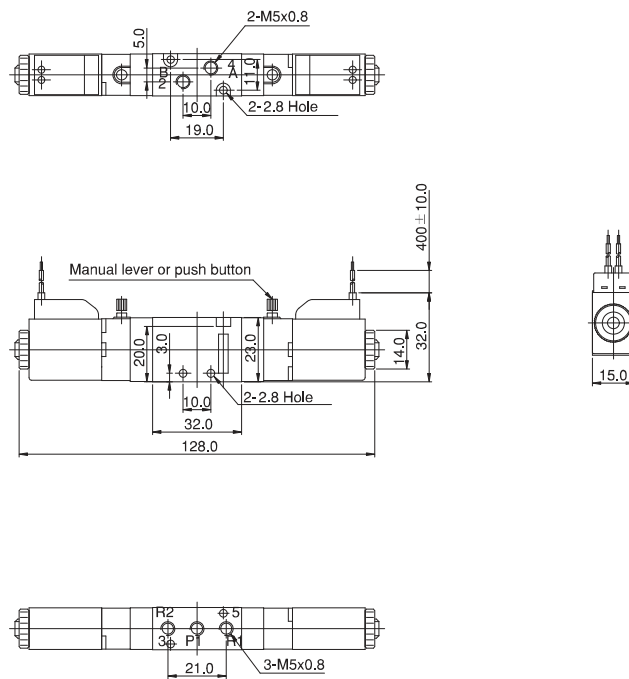


PHS500 Series

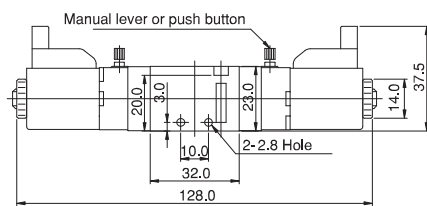
Dimension

(Unit: mm)

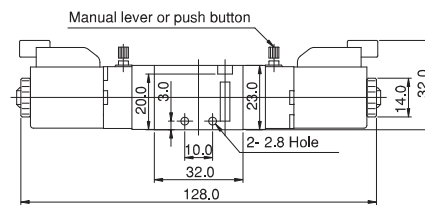
PHS500D



Perpendicular Connector



Horizontal Connector

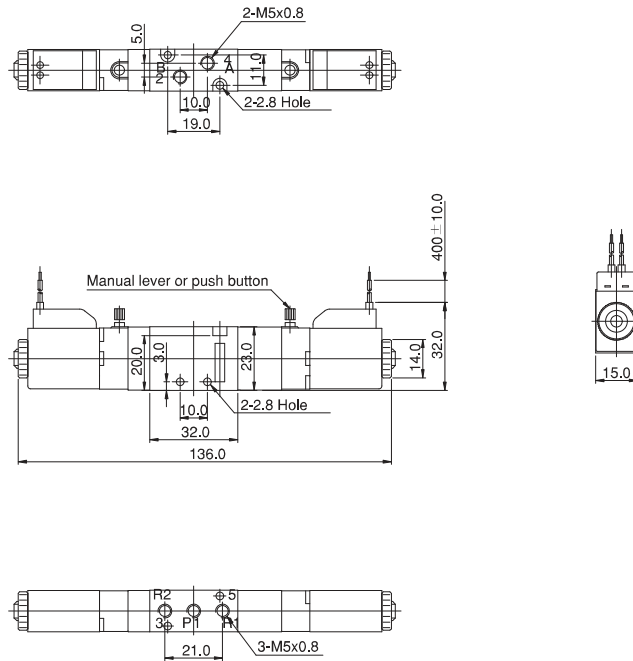


PHS500 Series

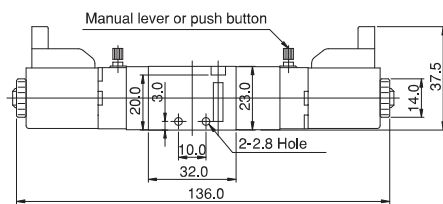
Dimension

(단위 : mm)

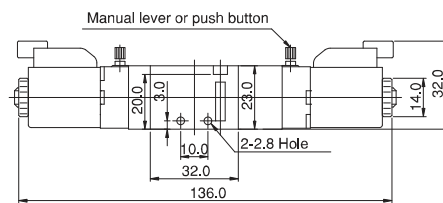
PHS500C, PHS500E, PHS500P



Perpendicular Connector



Horizontal Connector



ORDER KEY

PHS500 — M5

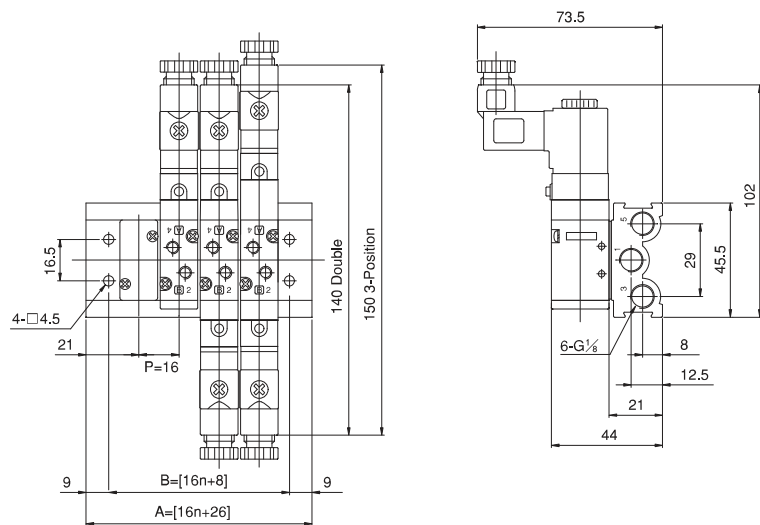
Mountable Valve
PHS510 Series

Number of Station

M2	2 station
:	:
M9	9 station

Type		PHS500-M ☐
		Common Sup, Common EXH
		Port 2,4 on the body
Port Size	Port 1	Rc 1/8
	Port 3, 5	Rc 1/8
	Port 2, 4	Rc 1/8
Station		2 ~ 9 Station
Mounting		Direct mount
Monutable Valve		PHS 500
Blanking Plate		PHS500-BP

(Unit: mm)



Blankig plate : PHS500-BP

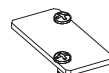
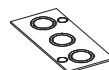


Plate material : SCP1



Gasket material : NBR