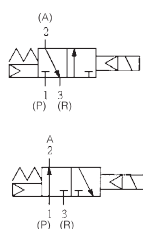


3Port Pilot Operated Solenoid Valve

PHS320 Series

Rubber Seal / In-Line type

PHS320S 3/2 Way
N·C/N·O Common



Specification

Item	Unit	PHS320S
Fluid		Non-Lubricated/Lubricated Air
Port Size	Rc(PT)	1/4
Effective Area	mm ² (Cv)	23 (1.3)
Operating Temperature	℃	5 ~ 60
Pressure Range	MPa(bar)	0.15~0.9 (1.5~9.0)
Max. Operating Cycle	cycle/s	10
Response Time	ms	Less than 20
Exhaust type		individual Exhaust
Manual Override		Non-Lock/Lever-Lock
Shock/Vibration Resistance		30G~5G (8.3~200Hz)

Electrical Specification

Voltage	V	DC24V, AC110V, AC220V(50~60Hz)
Allowable Voltage Fluctuation	%	± 10%
Power Consumption	W, VA	DC24V(2.5W), AC110/220V 50Hz(6VA)/60Hz(4.9VA)
Insulation Class		F Class
Wiring		lead Wire, DIN Connector
Indicate lamp		LED

PHS320 Series

Order Key

PHS320

S

8

110V

DL

L

1

2

3

4

5

6

1. Series

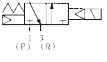
3Port Solenoid Valve

N · C/N · O common use

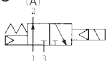
2. Function

S

N · C (A)



N · O (A)



Note) Possible to use N.O type by rotating body cover.

Offer N.C type initially.

3. Port Size

8

PT 1/4"

Note) Basically PHS320 series are assembled N·C

4. Voltage

24V	DC24V
110V	AC110V
220V	AC220V

5. Wiring

No mark	Lead wire
D	DIN connector.
DL	DIN connector, Indicator lamp.
DS	DIN connector, Indicator lamp, Surge protection.

6. Manual

No mark	Non-Lock
L	Lever Lock

Coil and Connector

Coil

PEC5

24V

D

Voltage

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

Wiring

No mark	Lead wire
D	DIN Connector

Note) Please order the connector together

When you order DIN connector type coil.

Connector

PES5

L

24V

Indicator lamp

No mark	w/o Lamp
L	with Lamp
S	Surge suppressor Indicator lamp

Voltage

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

 Pneumatic

439

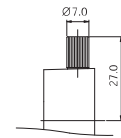
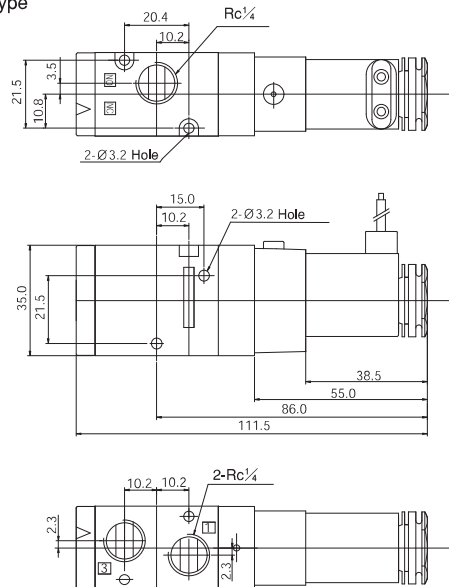
PHS320 Series

Dimension

(Unit: mm)

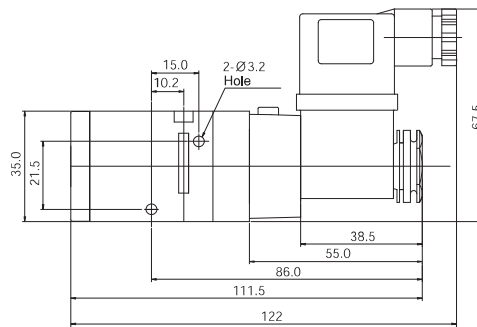
PHS320

Lead Wire Type



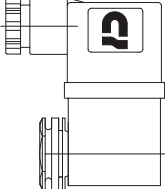
Lever-Lock Type

DIN Connector Type

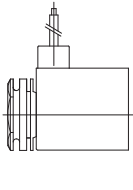


PHS320 Series

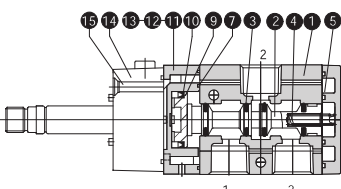
Construction



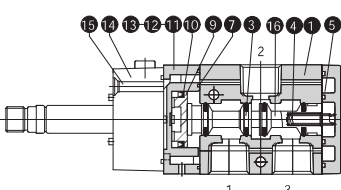
N-C Type



N-O Type



1
Air supply port



1
3
Air supply port

NO	DESCRIPTION	MATERIAL
1	Body	AL Alloy
2	Normal Closed Spool	AL
3	Slide Packing	N B R
4	Spool Spring	Steel
5	Gasket Cover	N B R
6	Body Cover	AL
7	Gasket	N B R
8	Screw	steel

NO	DESCRIPTION	MATERIAL
9	Piston	P O M
10	Piston Packing	N B R
11	Pilot Body	RESIN
12	Screw	Steel
13	Spring Washer	-
14	Solenoid Operator Ass'y	
15	Screw	Steel

Port Change from N-O to N-C

End Vover must be rotated 180°
And Air supply port must be changed as below table.

Port Identification

Function	N-C type	N-O type
Port No. 1	Air Supply	Exhaust
2	Cylinder	Cylinder
3	Exhaust	Air Supply

