

Series *DS300*

Rubber Seal 3 Port Pilot Solenoid Type

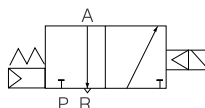


- COMPACT SIZE AND LIGHT WEIGHT
- LARGE FLOW CAPACITY
- LOW POWER CONSUMPTION
- DESIGNED FOR NON-LUBRICATED SERVICE

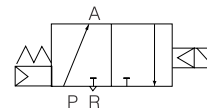
Symbol

Single Solenoid

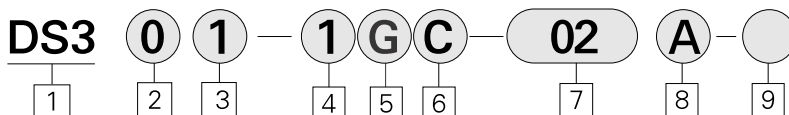
DS300-0000-
00A(N.C)



DS300-0000-
00B(N.O)



How to Order



1 Series DS300

2 Type of Actuation

0 : Normal Closed/Normal Open

3 Body Option

1 : Body Ported Type

4 Voltage

1 : AC100V, 50/60Hz
2 : AC200V, 50/60Hz

3 : AC120V, 50/60Hz

4 : AC240V, 50/60Hz

5 : DC24V

6 : DC12V

7 : DC6V

8 : AC24V, 50/60Hz

9 : Other

5 Electrical Entry/Indicator Light and Surge Suppressor

G : Grommet [Lead wire length 300 mm]

DZ : With Indicator light and Surge Suppressor

6 Manual Override

Blank : Non-lock push type

C : Knob locking type

7 Port Size (P, A, R Port)

01 : PT 1/8

02 : PT 1/4(Standard)

8 Type of Actuation

A : Normal Close

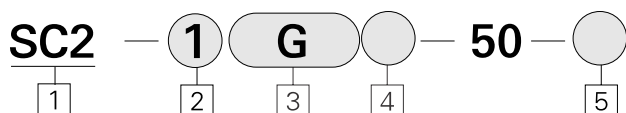
B : Normal Open

9 Special Option

Blank : Standard type

XC16 : Copper-free

Pilot Valve Assembly



1 For DS300 series Valve Ass'y

2 Voltage

1 : AC100V, 50/60Hz

2 : AC200V, 50/60Hz

3 : AC120V, 50/60Hz

4 : AC240V, 50/60Hz

5 : DC24V

6 : DC12V

7 : DC6V

8 : AC24V, 50/60Hz

3 Electrical Entry/Indicator

Light and Surge Suppressor

G : Grommet (Lead wire length 300mm)

DZ : DIN Connector With Indicator light and Surge suppressor

4 Manual override

Blank : Non-locking Push type

C : Knob locking type

5 Special Option

Blank : Standard type

XC16 : Copper-free

Specifications

Model	DS300	
Action	Pilot Type	
Position, Port	2 Position 3 Port	
Body Options	Body Ported Type	
Fluid	Air	
Port Size Rc(PT)	1/8	1/4
Effective Orifice mm ² (Cv)	19.2 (1.07)	22 (1.2)
Operating Pressure Range	1.5 ~9 kgf/cm ² {0.15~0.9 MPa}	
Ambient and Fluid Temperature	MAX. 50℃	
Response Time	30ms or less(At 0.5 MPa)	
MAX. Operating Frequency	5 Hz	
Lubrication	Not required	
Manual Override	Non-Lock Push Type, Knob Locking Type	
Mounting Position	Free	
Impact/Vibration Resistance	30 G/5 G (8.3~2000 Hz)	

Electrical Entry		Grommet(G)	DIN Connector(DZ)
Coil Voltage	AC(50/60Hz)	100VAC, 200VAC, 120VAC, 240VAC	
	DC	6VDC, 12VDC, 24VDC	
Allowable Voltage		-15~+10% of Rated Voltage	
Power Consumption	AC	Inrush	5.6 VA(50Hz), 5VA(60Hz)
		Holding	3.4 VA(50Hz), 2.3VA(60Hz)
	DC	1.8W/2.0W (With LED)	
Indicator light and Surge	AC	LED, Varistor	
Voltage suppressor Circuit	DC	LED, Varistor	

DW

DS

DV

DX2

DP

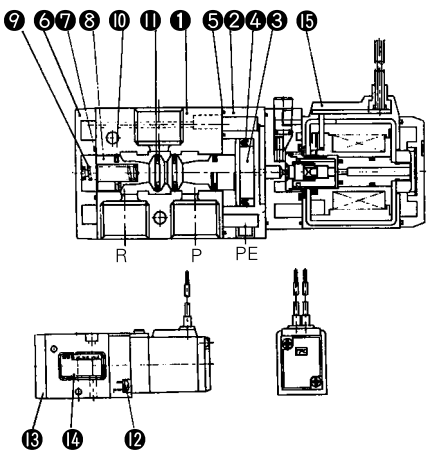
DM

DH

DT

DC

Construction/Parts List



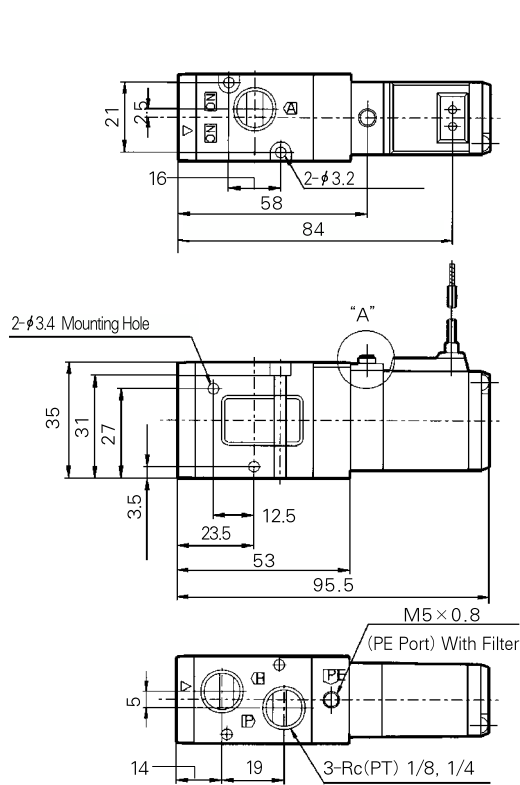
No.	Description	Material	Notes
1	Body	Aluminum Diecasting	Metallic Paint
2	Adapter Plate	Resin	
3	Piston Plate	Resin	
4	Piston Packing	NBR	
5	Adapter Plate Gasket	NBR	
6	End Cover	Zinc Diecasting	Black Paint
7	End Cover Gasket	NBR	
8	Spool	Aluminum NBR	
9	Spool Spring	Spring Steel	
10	Spool Packing	NBR	
11	Quad Ring	NBR	
12	+Pan Headed Screw	Carbon Steel	M4×0.7×12 l
13	+Flush Headed Screw	Carbon Steel	M3×0.5×8 l
14	Name Plate		
15	Pilot Valve Ass'y	-	

Series DS300

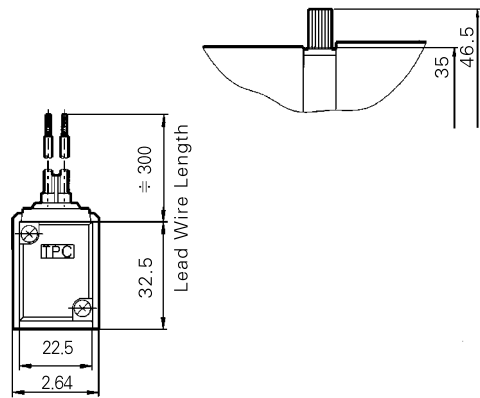
Body Ported/2 Position

(mm)

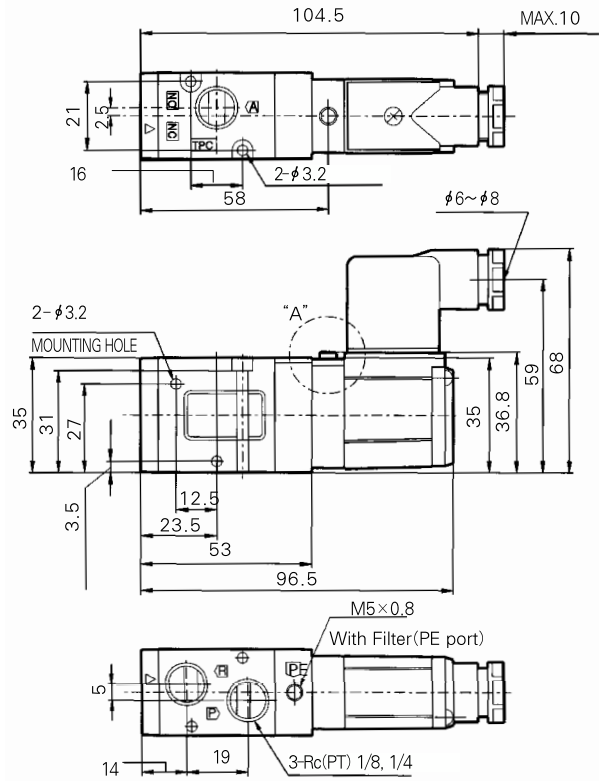
Grommet DS300-00G



"A" Knob Locking Type (SC2-00GC-50)



DIN Connector DS300-00DZ



"A" Knob Locking Type (SC2-00DZC-50)

