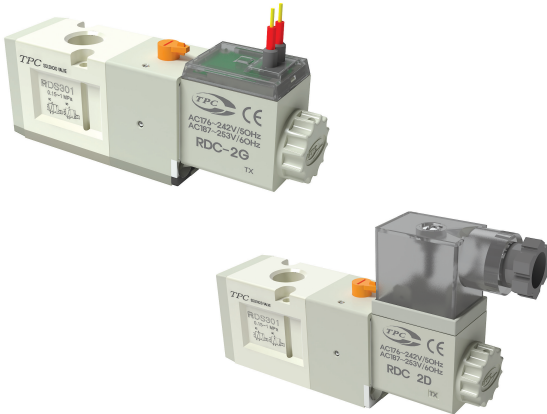


RDS300 Series

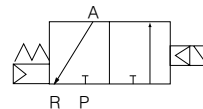
Rubber Seal 3port Pilot type



- Compact size and light weight(26.4mm width)
- Large flow capacity
- Easy modification from N.C to N.O
- Made with environment friendly materials
- White color design
- Easy to replace coil

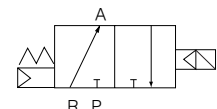
Symbol

RDS301-○○○-
○○A(N.C)



Single

RDS301-○○○-
○○B(N.O)



How to order

U RDS **3 0 1** — **1 G** — **02** **A** — **XWL * ***

1 2 3 4 5 6 7 8

1 RDS300 Series
Blank : Metric Rc(PT)
U : NPT

2 Type of actuation
0 : N.C/N.O

3 Port type
1 : Body Ported

4 Coil Voltage
1: AC110V, 50/60HZ
2: AC220V, 50/60HZ
3: AC120V, 50/60HZ
4: AC240V, 50/60HZ
5: DC24V

6: DC12V
8: AC24V, 50/60HZ
9: DC100V

5 Electrical Entry
G : Grommet(Lead wire 300mm)
D : DIN Connector
DZ : DIN Connector(Lamp • Surge voltage protecting circuit attached)
N : DIN type(connector not included)

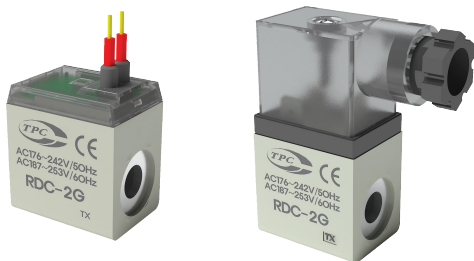
6 Port Size
01 : Rc(PT)1/8
02 : Rc(PT)1/4

7 Action
A : Normal Close
B : Normal Open

8 Length of lead wire
Blank : 300mm
XWL01: 100mm
XWL02: 200mm
:
XWL20: 2000mm

* Integrated push & lock type is standard option for manual operation.

RDC Series



How to order

RDC **1 G** — **XWL * ***

1 2 3 4

1 RDC Series

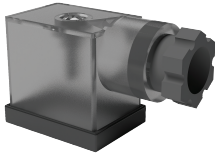
2 Coil Voltage
1: AC110V, 50/60HZ
2: AC220V, 50/60HZ
3: AC120V, 50/60HZ
4: AC240V, 50/60HZ
5: DC24V
6: DC12V

8: AC24V, 50/60HZ
9: DC100V

3 Electrical Entry
G : Grommet(Lead wire 300mm)
D : DIN Connector
DZ : DIN Connector(Lamp • Surge voltage protecting circuit attached)
N : DIN type(connector not included)

4 Length of lead wire
Blank : 300mm
XWL01: 100mm
XWL02: 200mm
:
XWL20: 2000mm

DIN TERMINAL BOX Order form



TVF3130-61-2005

Additional
Symbol

1

1 Additional Symbol

Additional Symbol	Rated Voltage
①	AC110V, 50/60Hz
②	AC220V, 50/60Hz
③	AC120V, 50/60Hz
④	AC240V, 50/60Hz
⑤	DC24V
⑥	DC12V
⑧	AC24V, 50/60Hz
⑨	DC100V

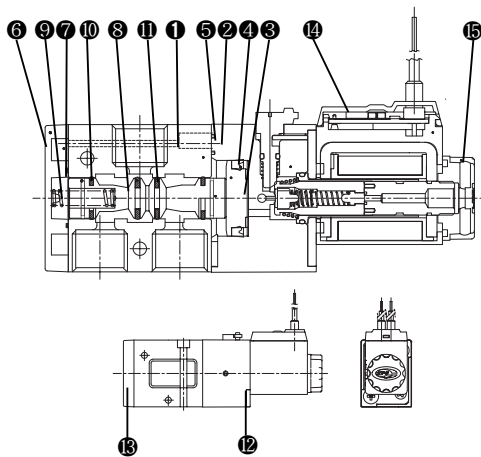
■ Notice

Please fully understand the safety notice before operating this item.

Specifications

Fluid	Air	
Action	PILOT Type	
Action	Air + Spring Type	
Position, port	2 positions / 3 ports	
Body Option	Body ported and Base mounted type	
Port Size Rc(PT)	1/8	1/4
Effective Orifice mm ² (Cv)	19.2 (1.07)	22 (1.2)
Operating Pressure Range	0.15~1.0MPa(1.5~10kgf/cm ²)	
Ambient and Fluid temperature	5~50℃	
Response time	under 30ms(0.5MPa)	
Max. Operating Frequency	5c/s	
Lamp(LED)	Standard	
Lubrication	Not Required	
Manual operation	PUSH & LOCK	
Mounting Position	Free	
Electrical Entry	Grommet(G)	DIN Connector(DZ)
Lead wire color	AC110V : Blue, AC220V : Red, DC24V : Red • Black	
Enclosure	Dust Proof	
Coil rated	AC(50/60Hz)	110V, 220V, 120V, 240V, 24V
Voltage	DC	24V, 12V, 100V
Allowable voltage fluctuation	-15~+10%	
Coil insulation type	Class H or Equivalent(180℃)	
Allowable temperature	under 40℃	
Apparent power	AC	5.0 VA(50Hz), 4.0VA(60Hz)
Power consumption	DC	3.0W/3.2W(with LED)
Indicator Light &	AC	LED, Varistor
Surge Suppressor Circuit	DC	LED, Varistor

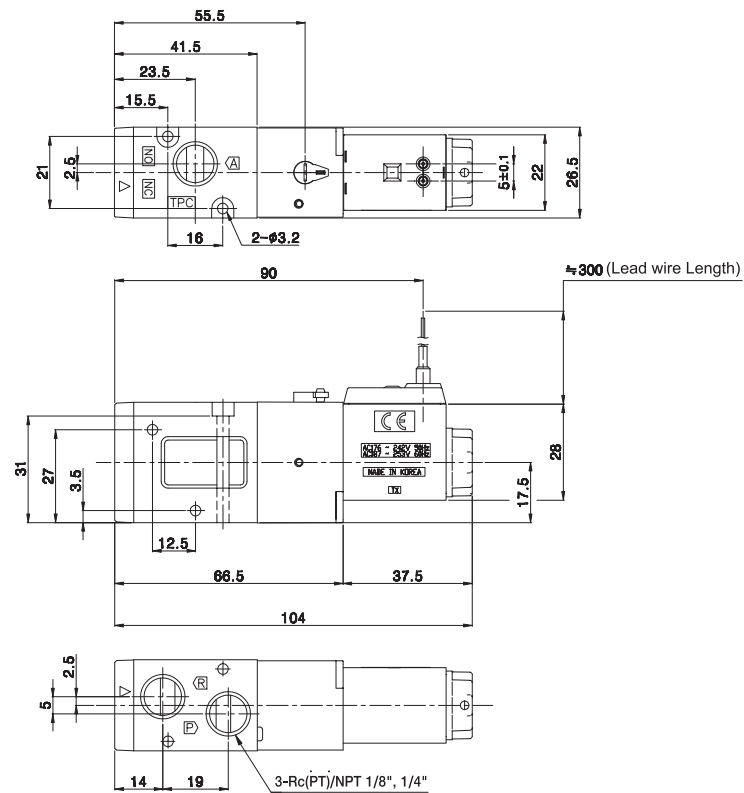
Construction/Parts List



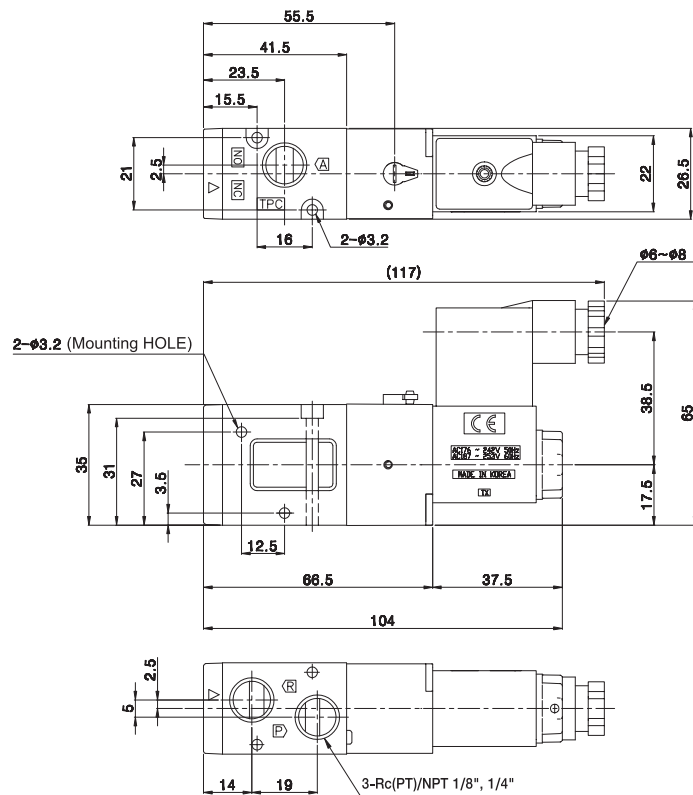
NO.	Description	Material	Remarks
①	Body	Aluminum Die casting	White color
②	Adapter Plate A	Resin	
③	Piston	Resin	
④	Piston Packing	NBR	
⑤	Adapter Plate gasket	NBR	
⑥	End Cover	Resin	
⑦	End Cover gasket	NBR	
⑧	Spool	Alumium	
⑨	Spool Spring	Spring Steel	
⑩	Spool Packing	NBR	
⑪	Quad Ring	NBR	
⑫	+Pan Headed Screw	Carbon steel	M4×0.7×30 l
⑬	+Flush Headed Screw	Carbon steel	M3×0.5×8 l
⑭	Coil Ass'y	—	
⑮	Core Fixed Nut	Resin	

Body Ported/2 Position

Grommet RDS301-OG

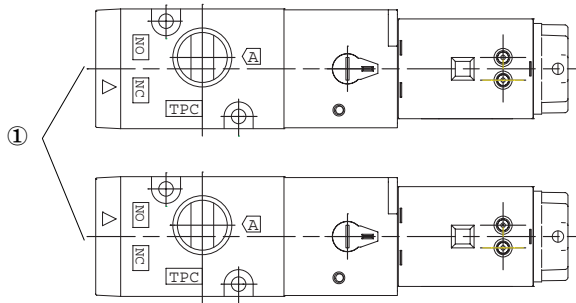


DIN Connector RDS301-ODZ



RDS301 Series

Change of Actuation(RDS 300)



As shown in the figure above, in event that it is needed to change the actuation from normally closed style to normally open style, it is preferred to remove the body from the sub plate and reset the “▲” mark on the body corresponding to the “NO” mark on the sub plate.

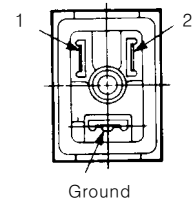
For piping, it is preferred to check the following table.

Flow Path Post	P	A	R
N · C	Upstream	Downstream	Exhaust side
N · O	Exhaust side	Downstream	upstream

Electronical Connection

Be sure to check the inner connections are as follows for the DIN connection and Terminal connection. (with surgeprotection circuit)

Din Connection



Terminal NO.	1	2
DIN Connection	+	-

Change of Electrical Entry

Be sure to push out the body of DIN terminal from the cover, and turn it at 180° and then insert it.

