

# Order Made Specifications SY5000/7000/9000/SY500 DIN Connector (DIN 43650C Standard)

DIN connector type with conformity to DIN43650C (8mm pitch between DIN terminals) standard



## How to Order Valves

**Series**

5	SY500
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**3 port valve:**  
(5 port valve mixed mounting type)

**5 port valve:**

**Type of actuation**

1	Normally open
2	Normally closed

**Body type**

3	Body ported
5	Base mounted

**A/B port size**

Symbol	Port size
Nil	Base mounted
01	Rc 1/8
C4	ø4 One-touch fitting
C6	ø6 One-touch fitting
C8	ø8 One-touch fitting

**Series**

5	SY5000
7	SY7000
9	SY9000

**Type of actuation**

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

**Body type**

2	Body ported
4	2 position single

**Pilot type**

Nil	Internal pilot
R	External pilot

\* Only base mounted type available for "R"

**Rated voltage**

**DC specifications**

5	24VDC
6	12VDC

**AC specifications (50/60Hz)**

1	100VAC
2	200VAC
3	110VAC [115VAC]
4	220VAC [230VAC]

**Electrical entry**

Y: With connector

YO: Without connector

**Indicator light/Surge voltage suppressor**

Nil	Without indicator light/surge voltage suppressor
S	With surge voltage suppressor
Z	With indicator light/surge voltage suppressor

Note 1) "YOZ" is not available.  
Note 2) For AC, there is no "S" specification, since it is integrated with the rectifier.

**A/B port size**

**Body ported**

Symbol	Port size	Applicable series
01	Rc 1/8	SY5000
C4	ø4 One-touch fitting	
C6	ø6 One-touch fitting	
C8	ø8 One-touch fitting	SY7000
02	Rc 1/4	
C8	ø8 One-touch fitting	
C10	ø10 One-touch fitting	SY9000
C8	ø8 One-touch fitting	
C12	ø12 One-touch fitting	
02	Rc 1/4	SY9000
03	Rc 3/8	

**Base mounted**

Symbol	Port size	Applicable series
Nil	Without sub-plate	SY5000 SY7000
02	Rc 1/4 with sub-plate	
03	Rc 3/8 with sub-plate	SY7000 SY9000
04	Rc 1/2 with sub-plate	

**Manual override**

Nil	Non-locking push type
D	Push-turn locking slotted type
E	Push-turn locking lever type

Note) When single body ported solenoid valves are ordered, manifold mounting bolts and gaskets are not included. Order them separately if necessary. (Refer to page 56 for details.)

## How to Order Pilot Valves

**SY115—5 Y**

**Rated voltage**

**DC specifications**

5	24VDC
6	12VDC

**AC specifications (50/60Hz)**

1	100VAC
2	200VAC
3	110VAC [115VAC]
4	220VAC [230VAC]

**Indicator light/Surge voltage suppressor**

Nil	Without indicator light/surge voltage suppressor
S	With surge voltage suppressor
Z	With indicator light/surge voltage suppressor

Note 1) "YOZ" is not available.  
Note 2) For AC, there is no "S" specification, since it is integrated with the rectifier.

**Electrical entry**

Y	DIN terminal	With connector
YO		Without connector

## DIN connector part nos.

Without indicator light	SY100-82-1	
With indicator light		
Rated voltage	Rating symbol	Part no.
24VDC	24VN	SY100-82-3-05
12VDC	12VN	SY100-82-3-06
100VAC	100VN	SY100-82-3-01
200VAC	200VN	SY100-82-3-02
110VAC (115VAC)	110VN	SY100-82-3-03
220VAC (230VAC)	220VN	SY100-82-3-04

## Caution

- Use the specified heavy duty vinyl cord (ø3.5 to ø7) to meet the IP65 (enclosure) standard. Also, tighten the ground nut and holding screws within the specified torque range. Refer to page 236 for DIN terminal usage (hints on connecting and changing the outlet, pre-cautions, compatible cables, and circuit diagram).
- Since the pitch between DIN terminals is 9.4mm for the "D" type DIN connector, it is not interchangeable.
- DIN connectors other than the "D" type have "N" at the end of the rating symbol. (Although "N" is not indicated when the connector is without the indicator light, it can be distinguished by the label.)
- Dimensions are the same as the "D" type DIN connector.
- When replacing only the pilot assembly, SY115-□D and SY115-□Y are interchangeable. However, changing from SY114 (G, L, M) to SY115-□D/□Y (DIN terminal), or vice versa, is not possible.