

Pencil shaped cylinder Double acting/Single rod

Long service life cylinder

SCPD3-P4/P40-HP1 Series

● Bore size: $\phi 6/\phi 10/\phi 16$

JIS symbol



Specifications

Item	SCPD3-P4/P40-HP1 SCPD3-L-P4/P40-HP1 (with switch)		
Bore size mm	ø6	ø10	ø16
Actuation	Double acting		
Working fluid	Compressed air		
Max. working pressure MPa	1.0		
Min. working pressure MPa	0.15	0.1	
Proof pressure MPa	1.6		
Ambient temperature °C	-10 to 60 (no freezing)		
Port size	M5		
Stroke tolerance mm	+1.0 0		
Working piston speed mm/s	50 to 750		
Cushion	Rubber cushion		
Lubrication	Not available		
Allowable absorbed energy J	0.012	0.041	0.162

Stroke

Bore size (mm)	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)
$\phi 6$	15/30/45/60	100	5
$\phi 10$		150	
$\phi 16$		150	

Note: The custom stroke is available in 1 mm increments.

How to order switch mounting bracket

P4	SCPD3-T-[Bore size]
P40	SCPD3-T-[Bore size]-P40

How to order mounting bracket P4

Bore size (mm)	$\phi 6$	$\phi 10$	$\phi 16$
Mounting bracket			
Foot (LS)	P2-LS-6	P2-LS-10	P2-LS-16
Flange (FA)	P2-FA-6	P2-FA-10	P2-FA-16

Note: The foot (LS) type mounting bracket is provided as 1 pc./set.

How to order mounting bracket P40

Bore size (mm)	$\phi 6$	$\phi 10$	$\phi 16$
Mounting bracket			
Foot (LS)	P2-LS-6-P40	P2-LS-10-P40	P2-LS-16-P40
Flange (FA)	P2-FA-6-P40	P2-FA-10-P40	P2-FA-16-P40

Note: The foot (LS) type mounting bracket is provided as 1 pc./set.

Refer to the SCPD3 Series in "Pneumatic Cylinders I (No. CB-029SA)" for dimensions.

How to order

Without switch (without magnet for sw*5)

SCPD3 - **00** - **10** - **15** - **O** ————— **P40** **Y** - HP1

With switch (built-in magnet for switch)

SCPD3-L - **00** - **10** - **15** - **O** - **SW11** - **R** - **P4** **P40** **Y** - HP1


A Model No.									
B Mounting *1									
C Bore size									
D Stroke									
E Head side port direction *1									
F Switch model No. *2, *4									
G Switch quantity									
H Accessory *3									

Code		Description		
A Model No.				
SCPD3	Double acting			
SCPD3-L	Double acting with switch			
B Mounting				
Bore size (ø)		6	10	16
00	Basic	●	●	●
LS	Axial foot (one side) (rod side)	●	●	●
FA	Rod side flange	●	●	●
CB	Clevis bracket (pin and snap ring attached)		●	●
C Bore size (mm)				
6	ø6			
10	ø10			
16	ø16			
D Stroke (mm)				
Bore size	Stroke	Stroke		
ø6	5 to 100	In 1 mm increments		
ø10	5 to 150			
ø16	5 to 150			
E Head side port direction				
Blank	Perpendicular			
O	Axial direction			
F Switch model No.				
Refer to the compatibility table on pages 210 to 213 for switch model No.				
G Switch quantity				
R	1 on rod side			
H	1 on head side			
D	2			
T	3			
H Accessory				
Bore size (ø)		6	10	16
I	Rod eye		●	●
Y	Rod clevis (pin and snap ring attached)		●	●
B1	Eye bracket		●	●
B2	Clevis bracket		●	●

Precautions for model No. selection

- *1: "CB" mounting is not available when the port direction is "O" (axial direction).
- *2: Magnet is not built into the type without switch.
- *3: "I" and "Y" cannot be selected together.
- *4: Switches are shipped with the product.
- *5: When without switch, supports P4 specifications with HP1

Related products

Speed controller				
Model No.	Appearance	Port size (Rc or R)	Compatible tube O.D.	
		M5	4 (ø4)	6 (ø6)
SC3W-M5- *P4		●	●	●

Specify the compatible tube O.D. code for *. Refer to "rechargeable battery compatible Component P4* Series" (No.CC-1226A) for details.

SCPD3	Long service life cylinder
CMK2	
SCM	
SSD2	
MDC2	
MSD	
MSDG-L	
SMG	
LCR	
LCG	
STM	
STG	
STR2	
SCPD3	Environment-resistant cylinder
CMK2	
SCM	
SCG	
SSD2	
SMG	
LCR	
STG	
STS	
STL	
LSH	Linear Slide Hand
LSHL	
LSHM	
LST	Low-profile long stroke hand
LSTM	
HMC	Wide Parallel Hand
CKW	Chuck
ABP2	Air Booster
SCPD3	Compatible with rechargeable batteries
CMK2	
SCM	
SSD2	
MSD	
MSDG-L	
SMG	
STG	
STM	
LCR	
LCG	
STR2	
LSH	
LSHL	
SCPD3	Supports food mfg. processes
CMK2	
SCM	
SCG	
SSD2	
STG	