

Long service life cylinder

Environment-resistant cylinder

Linear Slide Hand

Low-profile long stroke hand

Wide-Parallel Hand

Chuck

Air Booster

Compatible with rechargeable batteries

Supports food mfg. processes

SCPD3

CMK2

SCM

SSD2

MDC2

MSD

MSDG-L

SMG

LCR

LCG

STM

STG

STR2

SCPD3

CMK2

SCM

SCG

SSD2

SMG

LCR

STG

STS

STL

LSH

LSHL

LSHM

LST

LSTM

HMC

CKW

ABP2

SCPD3

CMK2

SCM

SSD2

MSD

MSDG-L

SMG

STG

STM

LCR

LCG

STR2

LSH

LSHL

SCPD3

CMK2

SCM

SCG

SSD2

STG



Compact cylinder Double acting/Single rod

Long service life cylinder

SMG-P4/P40-HP1 Series

● Bore size: $\varnothing 6/\varnothing 10/\varnothing 16/\varnothing 20/\varnothing 25/\varnothing 32$

JIS symbol



Specifications

Item	SMG-P4/P40-HP1 SMG-L-P4/P40-HP1 (with switch)						
Bore size	mm	$\varnothing 6$	$\varnothing 10$	$\varnothing 16$	$\varnothing 20$	$\varnothing 25$	$\varnothing 32$
Actuation		Double acting					
Working fluid		Compressed air					
Max. working pressure	MPa	0.7					
Min. working pressure	MPa	0.12	0.06			0.05	
Proof pressure	MPa	1.05					
Ambient temperature	°C	-10 to 60 (no freezing)					
Port size		M5					Rc1/8
Stroke tolerance	mm	+1.5 0					
Working piston speed	mm/s	50 to 500					
Cushion		With rubber cushion					
Lubrication		Not available					
Allowable absorbed energy	J	0.012	0.036	0.1	0.1	0.19	0.5

Stroke

Bore size (mm)	Standard stroke (mm)	Min. stroke (mm)
ø 6	5, 10, 15, 20, 25, 30, 40, 50, 60	5
ø10		
ø16		
ø20	5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100	
ø25		
ø32		

*1: The custom stroke is available in 5 mm increments.
However, the total length is the same as that of the next longer standard stroke.

For dimensions, refer to the SMG Series in "Pneumatic Cylinders I (No. CB-029SA)".

How to order

Without switch (without magnet for switch) *1

SMG - 32 - 25 - P40 - HP1

With switch (built-in magnet for switch)

SMG-L - 32 - 25 - SW51 - R - P40 - HP1

A Model No.

B Bore size

C Stroke

D Switch model No.

E Switch quantity

*1: When without switch, supports P4 specifications with HP1

Code		Description					
A Model No.							
SMG	Double acting						
SMG-L	Double acting with switch						
B Bore size (mm)							
6	ø6						
10	ø10						
16	ø16						
20	ø20						
25	ø25						
32	ø32						
C Stroke (mm)		Applicable bore size					
		ø6	ø10	ø16	ø20	ø25	ø32
Standard stroke	5	●	●	●	●	●	●
	10	●	●	●	●	●	●
	15	●	●	●	●	●	●
	20	●	●	●	●	●	●
	25	●	●	●	●	●	●
	30	●	●	●	●	●	●
	40	●	●	●	●	●	●
	50	●	●	●	●	●	●
	60	●	●	●	●	●	●
	70				●	●	●
	80				●	●	●
	90				●	●	●
100				●	●	●	
D Switch model No.							
Refer to the compatibility table on pages 210 to 213 for switch model No.							
E Switch quantity							
R	1 on rod side						
H	1 on head side						
D	2						

Related products

Speed controller						
Model No.	Appearance	Port size (Rc or R)		Applicable tube bore		
		M5	1/8	4 (ø4)	6 (ø6)	8 (ø8)
SC3W-M5- *-P4		●		●	●	
SC3W-6- *-P4			●	●	●	●

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

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MSDG-L	
SMG	
LCR	
LCG	
STM	
STG	
STR2	
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SCM	
SCG	
SSD2	
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LCR	
STG	
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LSH	
LSHL	
LSHM	
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SCPD3	Supports food mfg. processes
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