

圆形紧凑气缸 双作用·单活塞杆型

# SCM-P4/P40-HP1 Series

● 缸径:  $\phi 20 \cdot \phi 25 \cdot \phi 32 \cdot \phi 40$

JIS 符号



## 规格

项目	SCM-P4/P40-HP1				
缸径	mm	$\phi 20$	$\phi 25$	$\phi 32$	$\phi 40$
动作方式		双作用型			
使用流体		压缩空气			
最高使用压力	MPa	1.0			
最低使用压力	MPa	0.1			
耐压力	MPa	1.6			
环境温度	°C	-10~60 (但是, 不得冻结)			
配管口径	带橡胶缓冲	Rc1/8			
	带气缓冲	M5		Rc1/8	
行程允许误差	mm	+1.4 (~150) 0			
使用活塞速度	mm/s	30~1000 (请在允许吸收能量范围内使用。)			
缓冲		可选择橡胶缓冲·气缓冲			
有效气缓冲长度	mm	8.1	8.1	8.6	8.6
给油		不可			
允许吸收能量 J	带橡胶缓冲	0.1	0.2	0.5	0.9
	带气缓冲	0.8	1.2	2.5	3.7

## 行程

缸径 (mm)	标准行程 (mm)	最小行程 (mm)
$\phi 20$	25、50、75、 100、125、150	10
$\phi 25$		
$\phi 32$		
$\phi 40$		

注1: 关于中间行程, 可按每1mm为单位进行制作。

## 开关安装部件型号表示方法

	〈导轨方式〉 安装导轨	〈束带方式〉 安装部件一套+束带
P4	SCM-T- [缸径]	SCM-Z- [缸径]
P40	-[行程]	SCM-Z- [缸径] -P40

## P4安装部件型号表示方法

缸径 (mm)	$\phi 20$	$\phi 25$	$\phi 32$	$\phi 40$
安装部件				
脚座 (LB)	SCM-LB-20	SCM-LB-25	SCM-LB-32	SCM-LB-40
法兰 (FA/FB)	SCM-FA-20	SCM-FA-25	SCM-FA-32	SCM-FA-40
单耳环 (CA)	SCM-CA-20	SCM-CA-25	SCM-CA-32	SCM-CA-40
耳轴 (TA/TB)	SCM-TA-20	SCM-TA-25	SCM-TA-32	SCM-TA-40

## P4安装部件型号表示方法

缸径 (mm)	$\phi 20$	$\phi 25$	$\phi 32$	$\phi 40$
安装部件				
脚座 (LB)	SCM-LB-20-P40	SCM-LB-25-P40	SCM-LB-32-P40	SCM-LB-40-P40
法兰 (FA/FB)	SCM-FA-20-P40	SCM-FA-25-P40	SCM-FA-32-P40	SCM-FA-40-P40
单耳环 (CA)	SCM-CA-20-P40	SCM-CA-25-P40	SCM-CA-32-P40	SCM-CA-40-P40
耳轴 (TA/TB)	SCM-TA-20-P40	SCM-TA-25-P40	SCM-TA-32-P40	SCM-TA-40-P40

注1: 各安装部件附带安装用螺栓。

注2: 脚座型安装支架为2个一套。

关于外形尺寸图, 请参阅《空压气缸综合I》(样本编号: CB-029SC)的SCM系列。

### 型号表示方法

不带开关（内置开关用磁环）

SCM-LB-40-B-100-M P4 P40 I-HP1

带开关（内置开关用磁环）

SCM-LB-40-B-100-SW11-D-M P4 P40 I-HP1

A 安装方式  
注1

B 缸径

C 缓冲

D 行程

E 开关型号  
注3

F 开关数

G 开关安装方式

H 选择项  
注4

I 附件  
注5

符号	内容				
<b>A 安装方式</b>					
	缸径 (φ)	20	25	32	40
00	基本型	●	●	●	●
LB	轴向脚座型	●	●	●	●
FA	前端法兰型	●	●	●	●
FB	后端法兰型	●	●	●	●
CA	单耳环型	●	●	●	●
TA	前端耳轴型	●	●	●	●
TB	后端耳轴型	●	●	●	●
<b>B 缸径 (mm)</b>					
20	φ20				
25	φ25				
32	φ32				
40	φ40				
<b>C 缓冲</b>					
B	两侧带气缓冲				
R	前端带气缓冲				
H	后端带气缓冲				
D	两侧带橡胶缓冲				
<b>D 行程 (mm)</b>					
	缸径	行程 注2	中间行程		
	φ20~φ40	10~150	每1mm		
<b>E 开关型号</b>					
开关型号 请参阅第198~201页的对应表。					
<b>F 开关数</b>					
R	前端带1个				
H	后端带1个				
D	带2个				
T	带3个				
4	带4个（4个以上请填写开关数）				
<b>G 开关安装方式</b>					
无符号	导轨方式				
Z	束带方式				
<b>H 选择项</b>					
Q	出厂时附带开关导轨				
M	活塞杆、活塞杆螺母材质（不锈钢）				
<b>I 附件</b>					
	缸径 (φ)	20	25	32	40
I	单耳环连接件	●	●	●	●
Y	双耳环连接件（带销和挡圈）	●	●	●	●
B2	双耳环支撑件	●	●	●	●

### 型号选择时的注意事项

注1：安装部件附带在产品中发货。

注2：有关最小行程，请参阅前页。

注3：缸径为φ20~φ40，开关安装方式为导轨方式时，无法安装SW19、SWBW、SWCC、SWDK、SWDL、SWDM。

注4：选择了开关安装方式“Z”时，无法选择出厂时附带开关导轨“Q”。

注5：无法同时选择“i”“Y”。

注6：关于杆端形状的定制规格，请参阅《空压气缸综合I》（样本编号：CB-029SC）。

注7：开关附带在产品中发货。需要安装后发货时，请与我司营业所商谈。

注8：作为关联产品，备有调速阀。请咨询本公司。

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-A  
LSH-G  
LSH-F  
LSHL-A  
LSHL-G  
LSHL-F  
LSHM-A  
LSHM-G  
LSHM-F  
LST  
LSTM  
ABP2  
SCPD3  
CMK2  
SCM  
SSD2  
MSD  
MSDG-L  
SMG  
STG  
STM  
LCR  
LCG  
STR2  
LSH-A  
LSH-G  
LSH-F  
LSHL-A  
LSHL-G  
LSHL-F  
SCPD3  
CMK2  
SCM  
SCG  
SSD2  
STG

长寿命  
耐环境  
线性导线卡爪  
薄型长行程卡爪  
增压器  
用于二次电池制造工序  
用于食品制造工序

# 开关对应表 (直线导线伸出型)

注1：气缸搭载型号为下表中的订购型号。  
 注2：开关单体型号是在下表开关基本型号末尾加 -P4。  
 注3：带※产品为带树脂接插件规格。

长寿命气缸

订购型号	T形																																	
	SW69	SW28	SWAK	SW17	SW29	SW27	SW11	SW18	SW12	SW13	SW49	SW21	SW22	SW23	SW40	SW39	SW47	SWAG	SWAJ	SWBK	SWBL	SW19	SWBW	SWCC	SWAN	SWCU	SWCV	SWCZ	SWAQ	SWBE	SW31	SW38	SW32	SW33
基本型号	TOH	TOH3	TOH5	T5H	T5H3	T5H5	T2H	※T2H	T2H3	T2H5	T2HR3	T3H	T3H3	T3H5	T2WH	※T2WH	T2WH3	T2WH5	T3WH	T3WH3	T3WH5	T8H	T8H3	T8H5	T1H	T1H3	T1H5	T3PH	T3PH3	T3PH5	T2YH	※T2YH	T2YH3	T2YH5

耐环境气缸

订购型号	SW69	SW28	SWAK	SW17	SW29	SW27	SW11	SW18	SW12	SW13	SW49	SW21	SW22	SW23	SW40	SW39	SW47	SWAG	SWAJ	SWBK	SWBL	SW19	SWBW	SWCC	SWAN	SWCU	SWCV	SWCZ	SWAQ	SWBE	SW31	SW38	SW32	SW33	
SCPD3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CMK2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SCM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SSD2 (φ12·φ16)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SSD2 (φ20·φ25)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SSD2 (φ32)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SSD2 (φ40)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

线性导轨卡爪

订购型号	SW69	SW28	SWAK	SW17	SW29	SW27	SW11	SW18	SW12	SW13	SW49	SW21	SW22	SW23	SW40	SW39	SW47	SWAG	SWAJ	SWBK	SWBL	SW19	SWBW	SWCC	SWAN	SWCU	SWCV	SWCZ	SWAQ	SWBE	SW31	SW38	SW32	SW33	
MSD																																			
MSDG-L																																			
SMG																																			
STG	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STM																																			

薄型长行程卡爪

LST																																			
LSTM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
LCG (φ12以下)																																			
LCG (φ16以上)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

增压器

ABP2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

用于二次电池制造工序

STR2																																			
LSH-HP1							●	●	●	●		●	●	●														●	●	●					

用于食品制造工序

SCP3																																			
CMK2																																			
SCM																																			
SCG																																			
SSD2																																			
STG																																			

# 开关对应表

直线导线伸出型

	T形						F形										K形																															
	SW41	SW42	SW43	SWDU	SWDV	SWDW	SWAL	SWEA	SW81	SW89	SW82	SW85	SW86	SWEE	SWEF	SWBV	SW79	SWBD	SWEN	SWCA	SW59	SWCD	SWCG	SWCH	SW58	SW51	SW52	SW53	SW61	SW62	SW63	SWFG	SWFM	SWFN	SW67	SW57	SWAR	SWFP	SWBA	SWFT	SWFU							
	T3YH	T3YH3	T3YH5	T2JH	T2JH3	T2JH5	FOH	FOH3	F2H	*F2H	F2H3	F3H	F3H3	F3PH	F3PH3	F2YH	F2YH3	F3YH	F3YH3	KOH	KOH3	KOH5	K5H	K5H3	K5H5	K2H	K2H3	K2H5	K3H	K3H3	K3H5	K3PH	K3PH3	K3PH5	K2YH	*K2YH	K2YH3	K2YH5	K3YH	K3YH3	K3YH5							
	●	●	●	●	●	●																																										
	●	●	●	●	●	●																																										
	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●																												
	●	●	●	●	●	●																																										
							●	●	●	●	●	●	●	●	●	●	●	●	●	●																												
							●	●	●	●	●	●	●	●	●	●	●	●	●	●																												
	●	●	●	●	●	●														●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
									●	●	●	●	●	●	●	●	●	●	●																													
									●	●	●	●	●	●	●	●	●	●	●																													
																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
									●	●	●	●	●	●	●																																	

- 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-A
- LSH-G
- LSH-F
- LSHL-A
- LSHL-G
- LSHL-F
- LSHM-A
- LSHM-G
- LSHM-F
- LST
- LSTM
- ABP2
- SCPD3
- CMK2
- SCM
- SSD2
- MSD
- MSDG-L
- SMG
- STG
- STM
- LCR
- LCG
- STR2
- LSH-A
- LSH-G
- LSH-F
- LSHL-A
- LSHL-G
- LSHL-F
- SCPD3
- CMK2
- SCM
- SCG
- SSD2
- STG

长寿命气缸  
耐环境气缸  
线性导轨卡爪  
薄型长行程卡爪  
空气增压器  
用于二次电池制造工序  
用于食品制造工序

# 开关对应表 (L形导线伸出型)

注1: 气缸搭载型号为下表中的订购型号。  
 注2: 开关单体型号是在下表开关基本型号末尾加 -P4。  
 注3: 带※产品为带树脂接插件规格。

- 长寿命气缸
- SCPD3
- CMK2
- SCM
- SSD2
- MDC2
- MSD
- MSDG-L
- SMG
- LCR
- LCG
- STM
- STG
- STR2
- 耐环境气缸
- SCPD3
- CMK2
- SCM
- SSD2
- SMG
- LCR
- STG
- STS
- STL
- 线性导轨卡爪
- LSH-A
- LSH-G
- LSH-F
- MSDG-L
- SMG
- STG
- STM
- 薄型长行程卡爪
- LST
- LSTM
- 空气增压器
- ABP2
- 用于二次电池制造工序
- SCPD3
- CMK2
- SCM
- SSD2
- MSD
- MSDG-L
- SMG
- STG
- STM
- LCR
- LCG
- STR2
- LSH-A
- LSH-G
- LSH-F
- LSHL-A
- LSHL-G
- LSHL-F
- 用于食品制造工序
- SCPD3
- CMK2
- SCM
- SCG
- SSD2
- STG

对应機種	形状		T形																																										
	订购型号	基本型号	SW70	SWBG	SWBH	SW20	SWBJ	SW30	SW14	SW15	SW16	SW24	SW25	SW26	SW37	SW48	SWAH	SWBM	SWBN	SWBP	SWDK	SWDL	SWDM	SWCW	SWCY	SWCX	SWDE	SWAS	SWDF	SW34	SW35	SW36	SW44	SW45	SW46										
气缸型号																																													
SCPD3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
CMK2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
SCM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
SSD2 (φ12·φ16)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
SSD2 (φ20·φ25)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
SSD2 (φ32)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
SSD2 (φ40)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
MSD																																													
MSDG-L																																													
SMG																																													
STG	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
STM																																													
LCR (φ12以下)																																													
LCR (φ16以上)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
LCG (φ12以下)																																													
LCG (φ16以上)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STR2																																													
LSH-HP1							●	●	●	●	●	●														●	●	●																	

# 开关对应表

## L形导线伸出型

T形			F形													K形																												
SWDY	SWDX	SWDZ	SWAM	SWEB	SWAP	SWBB	SW83	SW84	SWBZ	SWED	SW87	SW88	SWEG	SWEH	SWEK	SWEL	SWEP	SWEQ	SWCB	SWCE	SWCF	SWAX	SWCJ	SWCK	SW54	SW55	SW56	SW64	SW65	SW66	SWGP	SWGQ	SWGR	SWBU	SW68	SWFR	SWFV	SWFW	SWFY					
T2JV	T2JV3	T2JV5	FOV	FOV3	F2S	F2S3	F2V	F2V3	F3S	F3S3	F3V	F3V3	F3PV	F3PV3	F2YV	F2YV3	F3YV	F3YV3	KOV	KOV3	KOV5	K5V	K5V3	K5V5	K2V	K2V3	K2V5	K3V	K3V3	K3V5	K3PV	K3PV3	K3PV5	K2YV	K2YV3	K2YV5	K3YV	K3YV3	K3YV5					
	●	●	●																																									
	●	●	●																																									
						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	●	●	●																																									
	●	●	●																																									
						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	●	●	●																	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
																				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
										●	●	●	●	●	●																													

- 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-A
- LSH-G
- LSH-F
- LSHL-A
- LSHL-G
- LSHL-F
- LSHM-A
- LSHM-G
- LSHM-F
- LST
- LSTM
- ABP2
- SCPD3
- CMK2
- SCM
- SSD2
- MSD
- MSDG-L
- SMG
- STG
- STM
- LCR
- LCG
- STR2
- LSH-A
- LSH-G
- LSH-F
- LSHL-A
- LSHL-G
- LSHL-F
- SCPD3
- CMK2
- SCM
- SCG
- SSD2
- STG

长寿命  
耐环境  
线性导轨卡爪  
薄型长行程卡爪  
增压空气  
用于二次电池制造工序  
用于食品制造工序