Series variation

Round shaped cylinder SCM Series

SCP*3 CMK2 CMA2 m E SCM Sustom stroke length (per stroke length (mm) stroke length (mm) SCG Variation Model No. Bore size Standard stroke length (mm) SCA₂ SCS₂ JIS symbol (mm) CKV2 300 00 25 75 100 125 150 200 250 50 CAV2/ COVP/N2 SCM φ20/φ25/φ32 • 0 • Double acting/ 10 1500 1 SSD2 φ40/φ50/φ63 single rod φ80/φ100 • 1500 SSG Single acting/push SCM-X φ20/φ25/φ32/φ40 5 200 1 SCM-Y 5 Single acting/pull 200 φ20/φ25/φ32/φ40 • 1 SSD φ20/φ25/φ32 600 SCM-P lacksquareDouble acting/stroke 10 CAT adjustable (push) φ40/φ50/φ63 600 φ20/φ25/φ32 • 1000 MDC2 Double acting/stroke SCM-R 10 1 adjustable (pull) φ40/φ50/φ63 1500 MVC 1000 SCM-T φ20/φ25/φ32/φ40 Double acting/ 10 φ50/φ63 1500 1 • SMG heat resistant φ80/φ100 1500 MSD/ MSDG φ20/φ25/φ32 1000 SCM-Q Double acting/ φ40/φ50/φ63 10 1500 1 FC* position locking 1500 φ80/φ100 • • STK Double acting/fine speed SCM-F φ20/φ25/φ32/φ40 500 1 SCM-O φ20/φ25/φ32 1000 SRL3 Double acting/ φ40/φ50/φ63 10 1500 1 low speed SRG3 $\phi 80/\phi 100$ 1500 1000 φ20/φ25/φ32 SCM-U SRM3 Double acting/ φ40/φ50/φ63 10 1500 1 • الملك low friction SRT3 φ80/φ100 1500 φ20/φ25/φ32 600 SCM-D MRL2 Double acting/ φ40/φ50/φ63 10 600 1 double rod MRG2 600 $\phi 80/\phi 100$ • • φ20/φ25/φ32 500 • • SM-25 Double acting/ SCM-B 10 1 back to back φ40/φ50/φ63 750 ShkAbs SCM-W φ20/φ25/φ32 600 Double acting/ • 10 1 two-stage φ40/φ50/φ63 600 FJ 600 Double acting/ φ20/φ25/φ32 • SCM-W4 10 1 FΚ tandem φ40/φ50/φ63 600 (Display code) Spd φ20/φ25/φ32 600 Double acting/ SCM-M Contr 10 1 rotation-stop φ40/φ50/φ63 600

SCM-LD LLE

φ20/φ25/φ32/φ40/φ50/φ63

10

300

1

Double acting/direct mounting foot

Ending

SCM Series

Series variation

SCP*3

CMK2

●: Standard, ◎: Option, ○: Custom order, ■: Not available

Mounting						Cus	hion				Opt	tion				Acce	ssorv							
				9				С			o U					e e			1000					CMA2
								With two-sided air cushion	Ę	ion	With two-sided rubber cushion				Switch rail attached at shipment	Piston rod material change	free							SCM
		a)	ge			ion	nion	air	shic	nsh	əqqn		\tilde{c}	$\widehat{\mathbf{C}}$	ed at	erial	ΓFE							SCG
		Rod side flange	Head side flange	cet (acket	Rod side trunnion	Head side trunnion	sided	Rod side air cushion	Head side air cushion	ided r	Bellows (60°C)	Bellows (100°C)	Bellows (250°C)	attach	d mat	Copper and PTFE free		S	cet	acket			SCA2
	foot	side	side	rac	s bra	side	side	two-	side	side	S-OW	ws (ws (ws (;	rail .	n roc	er a	eye	slevi	rac	s bra			SCS2
	Axial foot	Rod 8	Неаd	Eye bracket	Clevis bracket	Rod 8	Неаd	. With	Rod 8	Head	With t	Bello	Bello	Bello	Switch	Pisto	Copp	Rod eye	Rod clevis	Eye bracket	Clevis bracket	Switch	Page	CKV2
	LB	FA	FB	CA	СВ	TA	ТВ	В	R	Н	D	J	K	L	Q	М	P6	Ι	Υ	B1	B2	Sw	Ра	CAV2/
	•	•	•	•		•	•	•	•	•	•	0	0	0	0	0	0	0	0		0			COVP/N2
	•	•	•	•		•	•		•	•	•	0	0	0	0	0	0	0	0		0	0	218	SSD2
	•	•	•							•	•	0	0	0	0	0	0	0	0	0			0.40	SSG
			•	•		•	•				•	0	0	0	0	0	0	0	0		0	0	240 246	
							•					0	0	0	0	0	0	0	0		0		240	SSD
		•	• • • • • • • • • • • • • • • • • • • •				•	•••••				 ©	©		() ()		() () () () () () () () () ()	() () () () () () () () () ()			©	0	252	CAT
	•	•				•	•				•	0	0	0	0	0	0	0	0		0			MDC2
	•	•	• • • • • • • • • • • • • • • • • • • •			•	•	• • • • • • • •			•	0	0	()	©	0	0	0	0	• • • • • • • • • • • • • • • • • • • •	©	0	258	
	•	•	•	•		•	•				•			0		0		0	0		0			MVC
	•	•	•	•		•	•	•	•	•				0	• • • • • • • • • • • • • • • • • • • •	0	•	0	0		0		264	SMG
	•	•	•		•			•	•	•				0		0		0	0	0				MSD/
	•	•	•	•		●.,	•*2	•	•	•		0	0	0	0	0	0	0	0		0			MSDG
	•	•	•	•		●.,	•.2	•	•	•			0	0	0	0	0	0	0		0	0	268	FC*
	•	•	•		•			•	•	•		0	0	0	0	0	0	0	0	0	0	0	278	STK
	•	•	•	•		•	•				•	0	0	0	0	0		0	0		0			SRL3
	•	•	•	•		•	•	• • • • • • •			•	 ©	<u>.</u>	 ©	 ©	 ©	• • • • • • • • • • • • • • • • • • • •		0			0	282	SINLS
	•	•	•	• • • • • • •	•						•	0	0	©	0	0	• • • • • • • • •	0	0	0				SRG3
	•	•	•	•		•	•				•				0	0		0	0		0			SRM3
	•	•	•	•		•	•				•				0	0		0	0		0	0	286	
	•	•	•		•						•				0	0		0	0	0				SRT3
		•	• • • • • • • • • • • • • • • • • • • •				• • • • • • • •					0	0	©	0	0	0	0	0		0		000	MRL2
		•					• • • • • • •			•		0	0	0	0	0	0	0	0	•••••	0	0	292	MRG2
	•	•	•			•	•				•	0	0	0	0	0	0	0	0		0	0	300	SM-25
	•	•	•			•	•				•	0	0	0	0	0	0	0	0		0		300	ShkAbs
	•	•	•	•	• • • • • • • • • • • • • • • • • • • •	•	•	• • • • • • •			•	0	0		0	0	0	0	0		0	0	306	
	•	•	•	•		•	•				•	0	0	0	0	0	0	0	0		0			FJ
	•	•	•	•	• • • • • • • • • • • • • • • • • • • •	•	•	•••••			•	0	0	0	0	0	0	0	0		0	0	312	FK
	•	•	•	•		•	•	••••			•	0	0	0	0	••••		0	0		0	0	318	Spd Contr
											•	9	<u> </u>		0	0	0	0	0		9	0	324	Ending

^{*1: &}quot;TA" head side trunnion is not available for the head-side position locking.
*2: "TB" rod side trunnion is not available for the rod-side position locking.

SCM Series

SCP*3

CMK2

CMA2

SCM

SCG

SCA2

SCS2

CKV2 CAV2/ COVP/N2 SSD2

SSG

SSD

CAT

MDC2

MVC

SMG MSD/ MSDG FC*

STK

SRL3

SRG3

SRM3

SRT3

MRL2

MRG2

SM-25

ShkAbs

FJ

FΚ

Variation and option combination selection table

○: Option

: Available (custom order product)

△: Available depending on conditions (Contact CKD.)

×: Not available

		Category	/ Variation													Po	Port thread			Option									
Category			屬 Double acting basic	➤ Single acting push	≺ Single acting pull	О Double acting double rod	Back to back	Two-stage	동 Tandem	ு Stroke adjustable push	ω.	Rotation-stop	聖 With air cushion	→ Heat resistance (120°C)	O Low speed	Desition locking	C Low friction	TdN			- Nylon tarpaulin with bellows	ス Neoprene with bellows	- Silicone rubber with bellows		Specify piston rod end form	Copper and PTFE free	Clean-room specifications (exhaust port)		Switch rail attached at shipment
	Double acting basic	Blank	None	$\stackrel{{\color{gray}{\checkmark}}}{\!$	1	7	$\overline{\ }$	VV	VV4	<u> </u>	K	IVI	D, К, П	<u> </u>		V/	\forall				J	0	0	(NI					0
	Single acting push	X		$\langle \cdot \rangle$	×	×	$\overline{}$	×	×	×			×		×	×	×				0	0	0	0	$\frac{\circ}{\circ}$	0		×	0
	Single acting pull	Y		\rightarrow	Ĉ	×	$\supset C $	×	×	×	×		×		×		×				0	0	0	0	0	0		×	0
	Double acting double rod	D			\vdash	$\stackrel{\frown}{\sim}$	$\frac{\circ}{x}$	X	×	×	×	*2	$\hat{\bigcirc}$		×	$\overline{\bigcirc}$	×				0	0	0	0	$\frac{\circ}{\circ}$	0	0	$\hat{\bigcirc}$	0
	Back to back	В				\rightarrow	Ĵ	×	×	×	×			$\frac{\circ}{\circ}$	Ô	×	X				0	0	0	0	$\frac{\circ}{\circ}$	0	\overline{a}	$\frac{\circ}{\cap}$	0
	Two-stage	W					_	Ś	X	×	X		×	$\frac{\circ}{\circ}$	×	X	X	C			0	0	0	0	$\frac{\circ}{\circ}$	0			0
ر	Tandem	W4						\rightarrow		X	X		×	×	×	X	X	C			0	0	0	0	$\frac{\circ}{\circ}$	0	_	\triangle	0
Variation	Stroke adjustable push	P							\vdash		X	$\stackrel{\smile}{\sim}$	X	Δ	×	X	X				0	0	0	0	$\frac{\circ}{\circ}$	0	\rightarrow	×	0
ria	Stroke adjustable pull	R											X			Δ	X	C			0	0	0		$\frac{\circ}{\circ}$	0		×	0
Va	Rotation-stop	M									\vdash	$\widetilde{}$	\wedge	×	×		×	C			0	0	0		Ö	X	X	X	0
	With air cushion	B, R, H										\vdash	\vdash	*4		0	X	*1			0	0	0	0	$\frac{\circ}{\circ}$	\bigcirc	\rightarrow	×	0
	Heat resistant (120°C)	T												Κ.	X	X	×				X	X	0	0	$\frac{\circ}{\circ}$	X	-	×	Ť
	Low speed	Ö												\vdash		Δ	×				0	0	0	0	$\frac{\circ}{\cap}$	X	-	X	0
	Position locking	Q													\vdash		×	*3			0			0	$\frac{\circ}{\cap}$	\bigcirc		0	0
	Low friction	Ū															T				X	×	X	0	$\frac{\circ}{\cap}$	×			0
																	\rightarrow	1			-								\mathbb{I}
ad	NPT	N																\uparrow	T			0	0	0	0	\bigcirc		\bigcirc	$\overline{\Box}$
thre	G	G															\dashv		\mathcal{K}		Ŏ	Ŏ	0	Ŏ	$\frac{\circ}{\cap}$	$\overline{\bigcirc}$	$\tilde{\bigcirc}$	$\tilde{\cap}$	ă
Port thread																			+										\preceq
	Nylon tarpaulin with bellows	J																		\vdash		×	X	\bigcirc	\bigcirc	0	X	×	\Box
	Neoprene with bellows	K															\neg				\vdash		X	Ŏ	Ŏ			×	Ŏ
	Silicone rubber with bellows	L																							Ŏ	$\overline{\bigcirc}$	-	X	Ŏ
Option	Piston rod material stainless steel	М																						Ĭ	Ŏ	Ō		0	Ŏ
	Specify piston rod end form	N*																							Ţ			Ō	Ō
	Copper and PTFE free	P6																								Š	×	X	Ŏ
	Clean-room specifications (exhaust port)	P7																								\rightarrow			Ō
	Clean-room specifications (vacuum treatment)	P71																									Ì	J	Ō
	Switch rail attached at shipment																												\subseteq
																				T									一
_	Cylinder switch	Listed separately	0	0	0	0	0	0	0	0	0	0	0	X	0	0	0	С			0	0	0	0	0	0	0	0	0
or	Rod eye	l		0	0	0	0	0	0	0	0	0	0	0	0	0	0	Č			0	0	0	0		0	X		0
	Rod clevis	Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0		C		+		0	0	0	0	0	X		0
ပ္ပ	Eye bracket *5	B1	0			X				×		X		0			0	C			0	0	0	0	0	0	×	_	0
A	Clevis bracket *6	B2	0	0		0		0		0				0	0	0	0	С			0	0	0	0	0	0	X		\bigcirc

^{*1:} φ 20/ φ 25 are not available for the type with air cushion.

Spd Contr

Ending

CKD 216

^{*2:} Rotation-stop is only on one side.

^{*3:} ϕ 20/ ϕ 25 are not available.

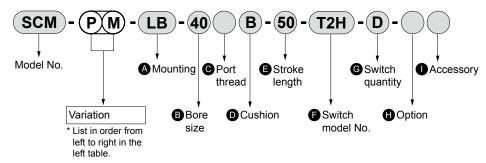
^{*4:} ϕ 20 to ϕ 32 are not available.

^{*5:} φ80/φ100 only

^{*6:} φ20 to φ63 only

Variation and option combination selection table

[Example of model No.]



Model No.: Round shaped cylinder

Variation: Adjustable stroke (push-out)/rotation-stop

A Mounting : Axial foot
B Bore size : φ40 mm
Port thread : Rc thread

D Cushion : With two-sided air cushion

Stroke length: 50 mm

Switch model No.: Proximity T2H switch, lead wire 1 m

G Switch quantity : 2
H Option : None
Accessory : None

*1: The back to back includes two cylinders. Specify the model No. as below when ordering variation.

For S1 variations only, insert the variation code before the stroke length of S1.

(Example) SCM-B-32-O25-50: Only S1 is the low speed.

For S2 variations only, insert the variation code before the stroke length of S2.

(Example) SCM-B-32-25-O50: Only S2 is the low speed.

When ordering the same variation for S1 and S2, insert the variation code before the tube bore size.

(Example) SCM-BO-32-25-50: Both S1 and S2 are the low speed.

SCP*3

CMK2

CMA2

SCM

SCG

SCA2

SCS2

CKV2

CAV2/

COVP/N2

SSD2

SSG

SSD

CAT

MDC2

MVC

SMG

MSD/

MSDG

FC*

STK

SRL3

SRG3

SRM3

SRT3

MRL2

MRG2

SM-25

ShkAbs

FJ

FK

Spd Contr

Ending