Small bore size cylinder Double acting/Single rod

CMK2-HP1 Series

Bore size:ø20/ø25/ø32/ø40







Specifications

STM STG STR2 SCPD3

CMK2 SCM SCG SSD2 SMG LCR STG STS STL

Environment-resistant cylinder

Linear Slide Hand

LSH

LSHL

LSHM

K Wide Parallel Low-profile long
Hand stroke hand
OM H

Chuck CKW

Air Booster ABP2 SCPD3

Compatible with rechargeable batteries Compatible with rechargeable batteries Sugar Sugar

LSHL SCPD3 processes CMK2

SCM SCG SSD2 STG

Item	CMK2-HP1									
Bore size mm	ø20	ø25	ø32	ø40						
Actuation	Double acting									
Working fluid	Compressed air									
Max. working pressure MPa	1.0									
Min. working pressure MPa	0.1									
Proof pressure MPa	1.6									
Ambient temperature °C	-10 to 60 (no freezing)									
Port size	Rc1/8									
Stroke tolerance mm	^{+2.0} ₀ (up to 150)									
Working piston speed mm/s	50 to 500									
Cushion	With rubber cushion									
Lubrication	Not required									
Allowable absorbed energy J	0.166 0.308 0.424 0.639									

Stroke

Bore size(mm)	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)		
ø20					
ø25	25/50/75/100/150	150	5		
ø32	25/50/75/100/150	150			
ø40					

^{*1:} The custom stroke is available in 1 mm increments.

Min. stroke with switch

(Unit: mm)

	Switch quantity	1					2				3					
		Proximity			Reed		Proximity		Reed		Proximity			Reed		
	Bore size (mm)	T2,T3	T2W, T3W	T1	T0,T5	T8	T2,T3	T2W, T3W	T1	T0,T5	T8	T2,T3	T2W, T3W	T1	T0,T5	T8
4	ø20	10				25	30	35	25	35	50	55	55	50	55	
	ø25	10				25	30	35	25	35	50	55	55	50	55	
4	ø32	10			25	30	35	25	35	50	55	55	50	55		
	ø40	10			25	30	35	25	35	50	55	55	50	55		

^{*1:} Up to 3 switches can be mounted.

For dimensions, refer to the CMK2 Series in "Pneumatic Cylinders I (CB-029SA)".

^{*2:} One side foot (LS) has max. stroke of 50 mm.

CMK2-HP1 Series

How to order

Long

service

life

Environment-resistant cylinder Linear

Slide Hand

Low-profile long stroke hand

Wide Parallel Hand

Chuck

Air Booster

Compatible with rechargeable batteries

Supports food

mtg. SCG

STM

LCR LCG

STR2

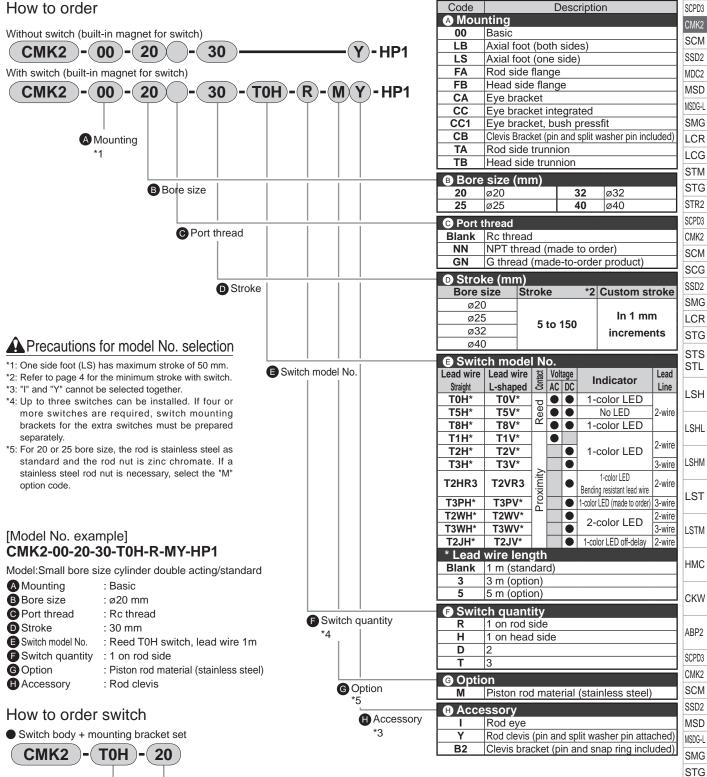
LSH LSHL

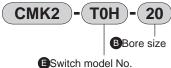
SCPD3 CMK2

SCM

SSD2

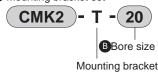
STG





 Switch body only SW - TOH **E**Switch model No.

Mounting bracket set



How to order mounting brackets

Bore size (mm)		ø20	ø25	ø32	ø40	
Mounting bracket	$\neg \setminus$	Ø20	<u>0</u> 25	932	940	
Basic (00)	*8	M1- 00 -20	M1- 00 -30	M1- 00 -30	M1- 00 -30	
Axial foot (LB/LS)	*7	M1-LB-20	M1-LB-30	M1-LB-30	M1-LB-30	
Flange (FA/FB)		M1-FA-20	M1-FA-30	M1-FA-30	M1-FA-30	
Trunnion (TA/TB)		M1-TA-20	M1-TA-30	M1-TA-30	M1-TA-40	
Eye bracket (CA)		M1-CA-20	M1-CA-30	M1-CA-30	M1-CA-30	
Clevis bracket (CB)		M1-CB-20	M1-CB-30	M1-CB-30	M1-CB-30	

- *6: Regarding mounting brackets, mounting nuts and toothed washers are included with the axial foot type and flange type. The trunnion type includes mounting nuts.
- *7: For axial foot types (two-sided), 2 sets of the "M1-LB-*1" in the table above are required
- *8: Mounting nut, toothed washer only. Although 1 set is included with the basic product (00), use this when needed.