SCP*2 CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD₂ MSD* FC* STK ULK* JSK/M2 **JSG** JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 HCM HCA SRL2 SRG SRM SRT MRI 2 MRG2 SM-25 CAC3 **UCAC** RCC2 MFC



Pencil shaped cylinder Double acting rubber-air cushioned

SCPD2-*C Series

lacktriangle Bore size: ϕ 6, ϕ 10, ϕ 16

Port size: M5



JIS symbol



Specifications

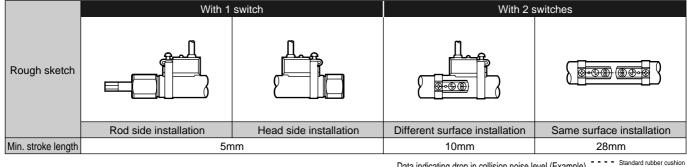
Descriptions	SCPD2-*C/SCPD2-L-*C							
Bore size mi	m	φ6	φ6 φ10					
Actuation			Double acting					
Working fluid			Compressed air					
Max. working pressure MF	Pa 📗		1.0					
Min. working pressure MF	Pa 📗	0.	0.3 0.2					
Withstanding pressure MF	Pa 📗	1.6						
Ambient temperature °	С		-10 to 60 (no freezing)					
Port size			M5					
Stroke tolerance mi	m	+1.0 0						
Working piston speed mm.	/s	50 to 500 (Use within the allowable energy absorption.)						
Cushion		Rubber-air cushion						
Lubrication		Not required (when lubricating, use turbine oil Class 1 ISO VG32.)						
Allowable energy absorption	J	0.011 0.041 0.162						

Stroke length

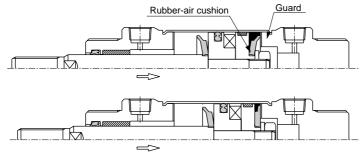
Bore size (mm)	Standard stroke length (mm)	Max. stroke length (mm)	Min. stroke length (mm)
φ6		100	
<i>φ</i> 10	15, 30, 45, 60	200	5
<i>φ</i> 16		260	

Note 1: Custom stroke length is available per 1mm increment.

Min. stroke length of type with switch



Rubber-air cushion mechanism



Explanation when pulled

When the piston moves and the rubber-air cushion and cover contact, a sealed air space is formed in the shaded section. The air in the shaded section is compressed as the piston moves, and energy is absorbed. Energy absorbed by the rubber air cushion's compression strain is also calculated at the stroke end.

Data indicating drop in collision noise level (Example)

Standard rubber of Rubber-air cushion

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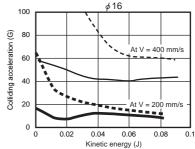
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Data indicating drop in collision acceleration level (Example) Standard rubber cushion Rubber-air cushion



SHC

Ending

SCPD2-*C Series

Specifications

scs CKV2

CA/OV2 SSD CAT MDC2

SCP*2 CMK2 CMA2 SCM SCG SCA2

MVC SMD2 MSD*

FC* STK ULK*

JSK/M2 JSG JSC3

USSD USC JSB3 LMB

STG STS/L LCS

LCG LCM

LCT LCY STR2

> UCA2 HCM HCA

SRL2 SRG SRM

SRT MRL2

MRG2 SM-25

CAC3 UCAC RCC2

MFC SHC GLC

Ending

Pencil shaped cylinder Standard type

Switch specifications

Switch specifications							
	Proximi	ty 2-wire	Proximity 3-wire				
Descriptions	M2V	M2WV (2 color indicator type)	M3V	M3PV (Custom order)	M3WV (2 color indicator type)		
Applications	Programmal	ble controller		r, relay, I valve			
Output method	_		NPN output	PNP output	NPN output		
Power voltage			4.5 to 2	28 VDC	10 to 28 VDC		
Load voltage	10 to 3	30 VDC					
Load current	5 to 20 mA		200 mA or less	100 mA or less	150 mA or less		
Light	LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Yellow LED (ON lighting)	Red/green LED (ON lighting)		
Leakage current	1 mA or less		10 μA or less	0.05 mA or less	10 μA or less		
Descriptions							
Descriptions	M	0V	M				
Applications	Programmable			Programmable controller, relay, IC circuit (w/o light), serial connection			
Load voltage / current	5 to 50 mA wit	h 12/14 VDC	50 mA or less at				
Load voltage / current	7 to 20 mA at	110 VAC	20 mA or less at	_			
Light	LED (ON	l lighting)	Without inc	_			
Leakage current		0mA					

Cylinder weight

(Unit: g)

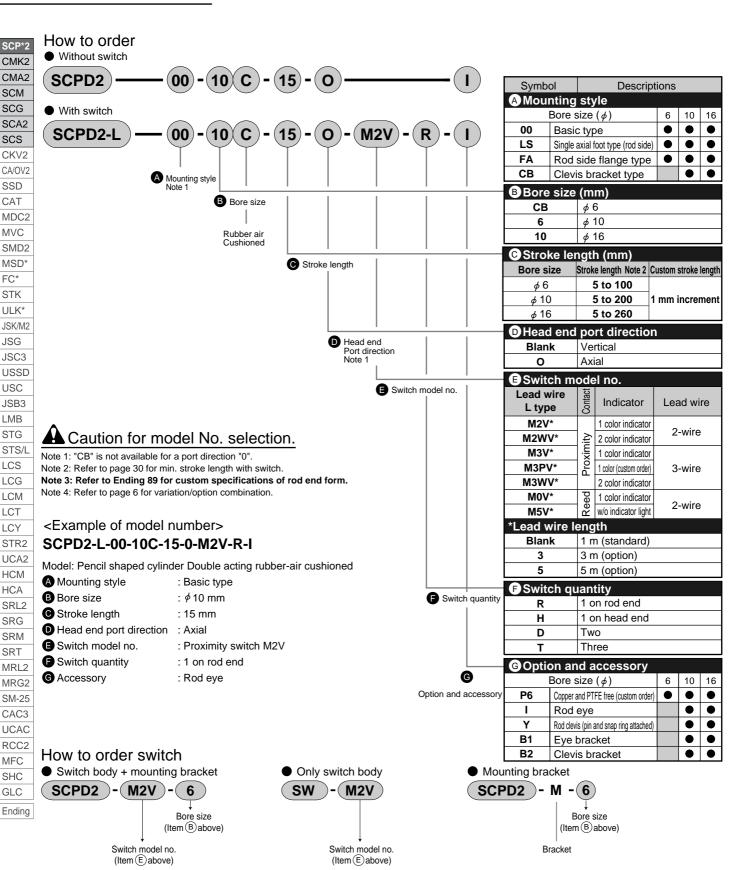
Туре	Stroke length	Without switch			With switch (2 switches)			Switch weight		
	Bore size (mm)	15st	30st	45st	60st	15st	30st	45st	60st	(per switch)
SCPD2-*C	φ 6	15	17	19	21	61	63	65	67	
	φ 10	24	27	31	34	70	73	77	80	24
	φ 16	47	52	57	62	95	100	105	110	

Mounting bracket weight

(Unit: g)

Annellandala	Mounting style					
Applicable bore size	Foot type LS	Flange type FA	Clevis type CB			
φ 6	6	4	-			
<i>φ</i> 10	6	4	4			
<i>φ</i> 16	15	12	10			

SCPD2-*C Series



How to order mounting bracket

Bore size	<i>φ</i> 6	<i>φ</i> 10	<i>φ</i> 16	
Mounting bracket	φυ	φισ	φισ	
Foot (LS)	P2-LS-6	P2-LS-10	P2-LS-16	
Flange (FA)	P2-FA-6	P2-FA-10	P2-FA-16	

Note: 1 pc./set is applied for a foot (LS) type mounting bracket.