

Rodless cylinder SRL3 Series

New Product



Features

- Uniform silver-white exterior projects a bright image.
- Improved sealing further enhances reliability.

Optimized sealing further improves seal performance!!

Specifications (double acting standard type)

Descriptions	SRL3				
	ø25	ø32	ø40	ø50	ø63
Bore size mm	ø25	ø32	ø40	ø50	ø63
Actuation	Double acting				
Working fluid	Compressed air				
Max. working pressure MPa	0.7				
Min. working pressure MPa	0.1			0.05	
Withstanding pressure MPa	1.05				
Ambient temperature °C	5 to 60				
Port size	Rc1/8	Rc1/4		Rc3/8	
Stroke tolerance mm	$^{+2.0}_0$ (to 1000), $^{+2.5}_0$ (to 3000), $^{+3.0}_0$ (to 5000)				
Working piston speed mm/s	50 to 2000 (with standard port piping) (Note 1)				
Cushion	Air cushion				
Lubrication	Not required (use turbine oil Class 1 ISO VG32 when lubricating. When first lubricating, lubricate continuously.)				

Note 1: Piston speed used with common port piping differs with the stroke. Contact CKD for details.

SRL3 Series

How to order

How to order (double acting standard type)

Without switch



With switch



A Mounting type
Note 1

B Bore size

C Port thread type

D Cushion

E Stroke length

F Switch model no.

⚠ Note on model no. selection

Note 1: Only mounting style "00" or "LB1" is available for tube bores 25, 32, and option symbol "R" or "T". (Option symbols "R" and "T" of mounting "LB" are not used because porting is not possible.)

Note 2: The asterisk (*) following L* and N* indicates the number of bracket. If more than one bracket set is required, indicate "L2" (for LB use) or "N2" (for LB1 use). 2 piece/1 set

Note 3: The adjustable full-stroke bracket cannot be retrofitted on standard ø25.
"A3" is optional with the mounting plate nut used for retrofitting the adjustable full-stroke bracket.

Note 4: Copper and PTFE free as standard

<Example of model number>

SRL3-00-25B-200-M0H-R-B

Model: Rodless cylinder

- A** Mounting type : Basic type
- B** Bore size : ø25 mm
- C** Port thread type : Rc thread
- D** Cushion : Both sides cushioned
- E** Stroke length : 200 mm
- F** Switch model no.: Reed switch M0H, lead wire 1 m
- G** Switch quantity : One on R side
- H** Option : Port position F, cushion needle position B

<Variation list>

Variation	Model no.	Catalog No
Standard type	SRL3	Refer to SRL2 series.
Resin guide type	SRL3-G	Refer to SRL2-G series.
With position locking function	SRL3-Q	Refer to SRL2-Q series.
Resin guide type with position locking function	SRL3-GQ	Refer to SRL2-GQ series.
Full cowling type	SRL3-J	Refer to SRL2-J series.

Pneumatic cylinders I
CB-029SA

Symbol	Descriptions
A Mounting style	
00	Basic type
LB	Axial foot type
LB1	Axial foot type

B Bore size (mm)	
25	ø25
32	ø32
40	ø40
50	ø50
63	ø63

C Port thread type	
Blank	Rc thread
N	NPT thread (custom order)
G	G thread (custom order)

D Cushion	
B	Both sides cushioned
R	R side cushioned
L	L side cushioned
N	No cushion

E Stroke length (mm)		
Bore size	Stroke length	Custom stroke length
ø25 to ø63	1 to 5000	Per 1 mm

F Switch model no.				
Lead wire straight	Lead wire L type	Contact	Display	Lead wire
M0H*	M0V*	Reed	1 color indicator	2-wire
M5H*	M5V*		Without indicator light	
M2H*	M2V*	Proximity	1 color indicator	2-wire
-	M2WV*		2 color indicator	
M3H*	M3V*		1 color indicator	3-wire
-	M3WV*		2 color indicator	
M3PH*	M3PV*		1 color indicator (custom order)	3-wire
T2WH*	T2WV*		2 color indicator	
T2YH*	T2YV*			2-wire
T3WH*	T3WV*		3-wire	
T3YH*	T3YV*			2-wire
T2YD*	-		Strong magnetic field proof switch	
T2YDT*	-			

* Lead wire length	
Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

G Switch quantity	
R	One on R side
L	One on L side
D	Two
T	Three
4	Four (Indicate the number of switches when ordering 4 or more.)

H Option		Bore size (ø)				
		25	32	40	50	63
A	Adjustable full-stroke both ends, with shock absorber	●	●	●	●	●
A1	Adjustable full-stroke R end only, with shock absorber	●	●	●	●	●
A2	Adjustable full-stroke L end only, with shock absorber	●	●	●	●	●
A3	Adjustable full-stroke bracket retrofitting	●				
Y	Floating joint	●	●	●	●	●
Y1	Thin floating joint	●	●	●	●	●
L*	Intermediate support bracket (for 00, LB)	●	●	●	●	●
N*	Intermediate support bracket (for LB1)	●	●	●	●	●
C	C mount bracket	●	●	●	●	●
U	Height adjustment plate	●	●	●	●	●
Blank	:F (standard)	●	●	●	●	●
R	:R (common port)	●	●	●	●	●
	:F	●	●	●	●	●
	:B	●	●	●	●	●
	:R (common port)	●	●	●	●	●
	:D	●	●	●	●	●
D	:D	●	●	●	●	●
	:F	●	●	●	●	●
S	:D	●	●	●	●	●
	:F	●	●	●	●	●

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