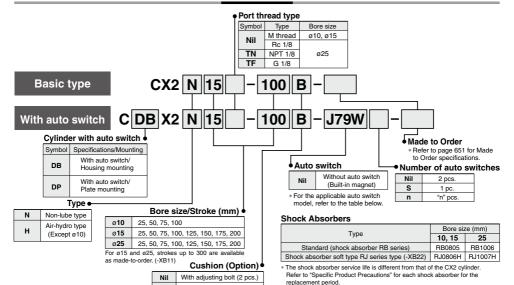
Slide Unit/Double Rod Type CX2 Series

Slide Bearing: Ø10, Ø15, Ø25

How to Order



Applicable Auto Switches/Refer to pages 1119 to 1245 for further information on auto switches.

With shock absorber (2 pcs.

With shock absorber (1 pc.)

В

BS

	Special function		ight	140		Load volta	ge	Rail mor	unting	Applicable	cylinder size	Lead	d wire	length	(m)		A !														
Type		Special function Electrical entry	Indicatorlight	Wiring (Output)		DC	AC	Perpendicular	In-line	Housing mounting	Plate mounting	0.5 (Nil)	3 (L)		None (N)	Pre-wired connector		cable ad													
듯				3-wire (NPN)		5 V, 12 V		F7NV	F79			•	•	0	_	0	,IC														
switch		Grommet		3-wire (PNP)		5 V, 12 V	F7PV	F7P			•	•	0	_	0	circuit															
				2-wire		12 V		F7BV	J79		g10	•	•	0	-	0															
anto		Connector				12 V		J79C	_			• •	•	•	•	_		Relay, PLC													
state a	Diagnostic indication (2-color indicator)	agnostic indication 2-color indicator) Grommet	\se	3-wire (NPN)	24 V	5 V, 12 V	, 12 V	F7NWV	F79W		ø 15	•	•	0	_	0	IC.														
				3-wire (PNP)		3 V, 12 V		_	F7PW	ø 25	25 ø 25	•	•	0	_	0	circuit														
Solid	,,		Grommet		2-wire		12 V		F7BWV	J79W		025	•	•	0	_	0	_													
S	Water resistant (2-color indicator)				i l				12 V		F7BAV**	F7BA**]		_	•	0	_	0												
	With diagnostic output (2-color indicator)			4-wire (NPN)	4	0 1, 12 1		_	F79F			•	•	0	_	0	IC circuit														
		2			3-wire — 5 V — — A76H			•	•	_	_	-	IC circuit																		
ᆽ			mmet S	Yes		_	_	200 V	A72	A72H		ø10	•	•	_	_	_	l _	_												
switch						12 V	100 V	A73	3 A73H	ø15	ø15	•	•	•	_																
																			2-wire	24 V	5 V, 12 V	100 V or less		H08A	ø 25		•	•	_	_	-
anto	_	Connector	Connector 8			12 V	_	A73C			ø 25	•	•	•	•	_		Relay,													
	-	Connector		ટ	″ ຊ			5 V, 12 V	24 V or less	A80C				•	•	•	•	_	,IC	PLC											
Reed		Grommet S			0	5 V	_	_	E76A	1		•	•	_	_	_	circuit														
			2-wire 24 // 12	12 V	100 V	_	E73A	ø 10	-	•	•	_	_	_																	
			ಶಿ			5 V, 12 V	100 V or less	_	E80A			•		—	-	-	IC circuit														

- ** Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Consult with SMC regarding water resistant types with the above model numbers.
- * Lead wire length symbols: 0.5 m Nil (Example) F79W
- * Solid state auto switches marked with "O" are produced upon receipt of order.

The shock absorber soft type RJ series type (-XB22) is a made to order

specification. For details, refer to page 1296.

- 3 m L (Example) F79WL 5 m Z (Example) F79WZ None N (Example) J79CN
- None N (Example) J79CN

 * Refer to pages 1192 and 1193 for details of auto switches with a pre-wired connector.
- * Auto switches are shipped together (not assembled).

650



Slide Unit/Double Rod Type CX2 Series



Specifications

Тур	е	Non-lube	Air-hydro type			
Fluid		Air	Hydraulic fluid			
Proof pressure		1.5 MPa				
Max. operating pressu	ire	1.0 MPa				
	CX2N10	0.15 MPa	_			
Min. operating pressure	CX2□15	0.15 MPa				
	CX2□25	0.10	MPa			
Ambient and fluid tem	perature	−10°C to	o +60°C			
Piston speed (Non-lube)	With adjusting bolt	30 to 200 mm/s	Pofor to Toble (1)			
r istoli speed (Noll-lube)	With shock absorber	30 to 500 mm/s	Refer to Table (1).			
Cushion		With shock abs	sorber (Option)			
Stroke adjustable rang	ge	Standard stroke: ±2 mm				
	CX2N10		9.8 N			
Max. load mass (1)	CX2□15	29.4 N				
	CX2□25	58.8 N				
Non-rotating accuracy	CX2N10	±0.1°				
Except piston rod	CX2□15	±0.04°				
deflection /	CX2□25	±0.02°				
Accessory (Option)		Straight knock pin (2 pcs.), Adjusting bolt (-X138) ⁽²⁾ Shock absorber				

Note 1) Place the center of gravity of the load as close to the center of the slide unit as possible during operation. If they are placed far apart, consult with SMC.

Note 2) "-X138" has a stroke adjustable range of 12.5 mm on one side.

Made to Order

Made to Order: Individual Specifications (For details, refer to pages 706 to 708.)

Symbol	Specifications					
-X138	Adjustable stroke					
-X146	Hollow piston rod					
-X168	CX helical insert thread					
-X169	2 built-in magnets					

Made to Order Specifications (For details, refer to pages 1247 to 1440.)

(1 or details, refer to pages 1247 to 1440.)								
Symbol	Specifications							
-XB11	Long stroke type							
-XB13	Low speed cylinder (5 to 50 mm/s)							
-XB22	Shock absorber soft type RJ series type							
-XC22	Fluororubber seals							

Table (1) Air-hydro/Piston Speed

Model	Plate mounting	Housing mounting
CX2H15	Refer to the below. Note 1)	5 to 50 mm/s
CX2H25	5 to 40 mm/s	5 to 100 mm/s

Note 1) Consult with SMC when the air-hydro type is mounted on a plate.

Note 2) Consult with SMC when units are used at a low speed (10 mm/s or faster) (when

intermediate stops are not required) since -XB13 (Low speed specification) is available. Note 3) When using the air-hydro type, use the double side hydro unit.

Shock Absorber Specifications

Shock absorber		RB0805	RB1006		
Applicable slide	unit	CX2N10, CX2□15	CX2□25		
Maximum energ	y absorption (J)	0.98	3.92		
Stroke absorpt	ion (mm)	5	6		
Max. collision s	speed (m/sec)	0.05	0.05 to 5		
Max. operating fr	equency (cycle/min)	80	70		
Max. allowable	thrust (N)	147	353		
Ambient temper	ature range (°C)	-10	to 80		
Spring force (N)	Extended	1.96	4.22		
Spring loice (N)	Retracted	3.83	6.18		
Weight (g)		15	25		

*The above shows the maximum absorption energy per cycle. Accordingly, the operating frequency can be increased in accordance with the absorption energy.

*The shock absorber service life is different from that of the cylinder body depending on the operating conditions. Refer to the RB Series Specific Product Precautions for the replacement period.

Moisture Control Tube IDK Series

When operating an actuator with a small diameter and a short stroke at a high frequency, the dew condensation (water droplet) may occur inside the piping depending on the conditions.

Theoretical Output

										(N)
Model	Rod size (mm)	Piston area (mm²)	Operating pressure (MPa)							
iviouei			0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CX2N10	6	101	20	30	40	51	61	71	81	91
CX2□15	8	207	41	62	83	104	124	145	166	186
CX2□25	14	597	119	179	239	299	358	418	478	537

Note) Theoretical output (N) = Pressure (MPa) x Piston area (mm²)

CX2

CXW

CXT

CXSJ

D-□ -x□

