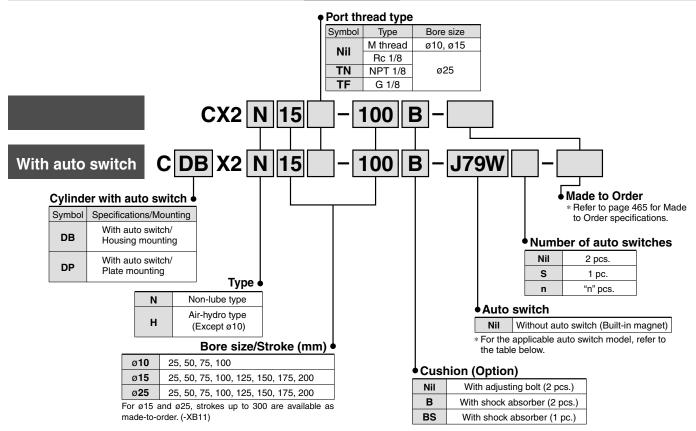
Slide Unit/Double Rod Type Series CX2

Slide Bearing: ø10, ø15, ø25

How to Order



Applicable Auto Switch/Refer to pages 1719 to 1827 for further information on auto switches.

4)	Special function			\A/::		Load volta	oad voltage		part no. Applicable cylinde		cylinder size					A I' I I			
Type		Electrical	Indicator light	Wiring (Output)		D0	AC	Electrica	l entry	Housing	Plate	0.5	3	5	140110	Pre-wired			
		entry	Indic	(Output)	DC		AC	Perpendicular	In-line	mounting	mounting	(Nil)	(L) ((Z)	(N)	connector	load		
등	_	Grommet		3-wire (NPN)	⊣ 5V 12V	E\/ 10\/	F7NV	F79			•	•	0	_	0	IC			
				3-wire (PNP)		F7PV	F7P			•	•	0	_	0	circuit				
switch				2-wire		12V	F7BV	J79		•	•	0	_	0					
		Connector				12 V		J79C	_		ø 10				•	_			
state	Diagnostic indication		တ	3-wire (NPN)	24V	5\/ 12\/	_	F7NWV	F79W	ø 1 5 ~		•	•	0	_	0	IC		
	(2-color indication)		Yes	3-wire (PNP)		5V, 12V	F/PW	_	F7PW		ø15			0	_	0	circuit	Relay,	
Solid	(2-color indication)							J79W	ø 25	ø 25			0	_	0		PLC		
	Water resistant (2-color indication)	Grommet			2-wire		12V		F7BAV	F7BA		920	_	•	0	_	0	_	
	With diagnostic output (2-color indication)			4-wire (NPN)		5V, 12V	,	1	F79F			•	•	0	_	0	IC circuit		
	_	Crommet		3-wire	_	5V	_		A76H	6H			•	_	_	_	IC circuit	_	
			Grommet	Yes		_	_	200V	A72	A72H	ø 10	ø 10	•	•	_	_	_		
ᆽ		Grommet	_	12V 100V A73	A73H	ø 15	Ø15 Ø15		•	•	_	_							
switch				24V 5V, 12V 100 V or less A80 A80H	ø25	ø 25	•	•	_	_	_	IC circuit							
8		Connector	- Connector S		12V	_	A73C	_	023	ø 25		•		•	_	R ₁	Relay,		
Reed			් 2			5V, 12V	24 V or less	A80C	_]		•	•	•	•	_	IC	PLC	
			SS	2 3-wire — 5V — — E	E76A			•	_	_	_	circuit							
		Grommet Sylvine - 5V E76A 010 -	•	•	_	_	_	_											
			S	2-WIIE	24 V	5V, 12V	100 V or less	1	E80A	1		•	•	_	_	-	IC circuit		
* L	* Lead wire length symbols: 0.5 m ········ Nil (Example) F79W * Solid state auto switches marked with "O" are produced upon receipt of order.																		

^{*} Lead wire length symbols: 0.5 m Nil (Example) F79W

³ m L (Example) F79WL (Example) F79WZ

None ······ N (Example) J79CN

^{*} Refer to pages 1784 and 1785 for details of auto switches with a pre-wired connector.

^{*} Auto switches are shipped together (not assembled).

Slide Unit/Double Rod Type Series CX2



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	Defeate Table (1)			
riston speed (Non-lube)	With shock absorber	30 to 500 mm/s	Refer to Table (1).			
Cushion		With shock absorber (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.	±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.

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 to 5				
Max. operating from	equency (cycle/min)	80	70			
Max. allowable	thrust (N)	147	353			
Ambient temper	rature range (°C)	–10 to 80				
Spring force (N)	Extended	1.96	4.22			
Spring loice (N)	Retracted	3.83	6.18			
Mass (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.

Made to Order Specifications (For details, refer to pages 1851 to 2021.)

Symbol	Specifications
—XB11	Long stroke type
—XB13	Low speed cylinder (5 to 50 mm/s)
—X146	Hollow piston rod
—X138	Adjustable stroke
—X168	CX helical insert thread
—X169	2 built-in magnets
—XC22	Fluororubber seals

Theoretical Output

										(N
Model	Rod size	Piston area	Operating pressure (MPa)							
Model	(mm)	(mm²)	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)



CXT CXSJ

CXS





^{*}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