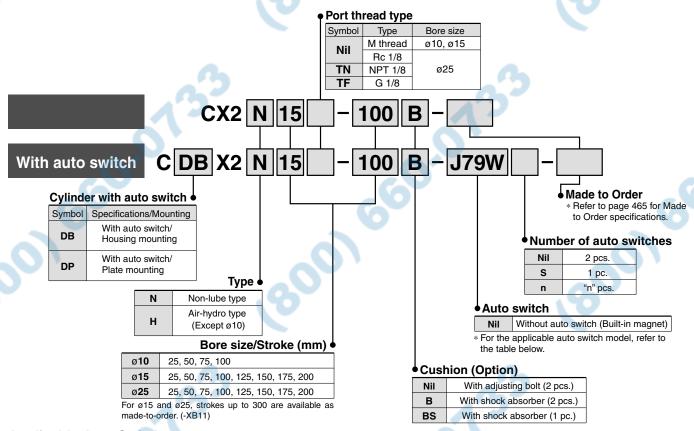
Slide Unit/Double Rod Type Series CX2

Slide Bearing: ø10, ø15, ø25

How to Order



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

	اه	Special function		ig.	Wiring	Load voltage		Auto switch	n part no.	Applicable of	Applicable cylinder size		Lead wire length (m)				A I!			
F	Type		on Electrical entry	Indicator light				Electrica	al entry	entry Housing		0.5	3	5	None	Pre-wired	Appli			
	_			<u>ig</u>	(Output)		DC AC	Perpendicular	In-line	mounting	mounting	(Nil)	(L)	(Z)	(N)	connector	load			
		60	Grommet		3-wire (NPN)		5V, 12V	F7NV	F79			•	•	0	_	0	IC	- 60		
-	동				3-wire (PNP)				F7PV	F7P			•	•	0	_	0	circuit	\mathcal{A}	
	switch	V			2-wire		12V 24V 5V, 12V —	F7BV	J79			•	•	0	_	0				
			Connector		2-WII6				J79C	_	ø10	ø10	•	•	•	•	- 4			
	state	Diagnostic indication		Yes	3-wire (NPN)	24V			F7NWV	F79W	ø 15		•		0	_	0	IC		
	Diagnostic indication (2-color indication) Water resistant (2-color indication) With diagnostic output (2-color indication)	3			3-wire (PNP)	50, 120		> —	F7PW	ø25 ø25	ø 15	•		0	_	0	circuit	Relay,		
								F7BWV	J79W		•	•	0	-(0		PLC			
			Grommet		2-wire	. (5V, 12V	12V 5V, 12V	F7BAV	F7BA		526	_	•	0		0	_		
					4-wire (NPN)				_	F79F			•	•	0	y	0	IC circuit		
			Grommet Solution Connector Solution Sol		3-wire	_	5V	_	_	A76H			•	•		-	_	IC circuit	_	
				l m	net 🗡		_	_	200V	A72	A72H	1 .	ø 10	•	•	_	_	_		
	ج			aronimet		^	은 2-wire		12V	100V	A73	A73H	ø15 ø25	ø15	•	•	•	_	_	
	switch							24V 5	5V, 12V	100 V or less	A80	A80H		013				_	_	IC circuit
		_		Connector 2		12\	12V	_	A73C	_	020	ø 25		•	•	•	_	_	Relay,	
	Reed				2			5V, 12V	24 V or less	A80C	_		FA		•	•	•	_	IC	PLC
	_			Se	3-wire		5V	_	— E70	E76A			•	•	_	_	_	circuit		
			Grommet	è	2-wire	24V	12V	100V	_	E73A	ø10	_	•	•	_	_	_	_		
					2	20	∠-+ V	5V, 12V	100 V or less	_	E80A					_	—	-	IC circuit	

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

* Solid state auto switches marked with "O" are produced upon receipt of order.

³ m ······ L (Example) F79WL

⁵ m ······ Z (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	Defer to Table (1)					
Tistori speca (Non-labe)	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	±0.02°						
Accessory (Option)	-0.	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 absorpti	on (mm)	5	6				
Max. collision s	speed (m/sec)	0.05 to 5					
Max. operating fre	equency (cycle/min)	80	70				
Max. allowable	thrust (N)	147	353				
Ambient tempera	ature 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.

*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.

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

660.013

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)							
iviodei	(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)

CX2

CXW

CXSJ

CXS



