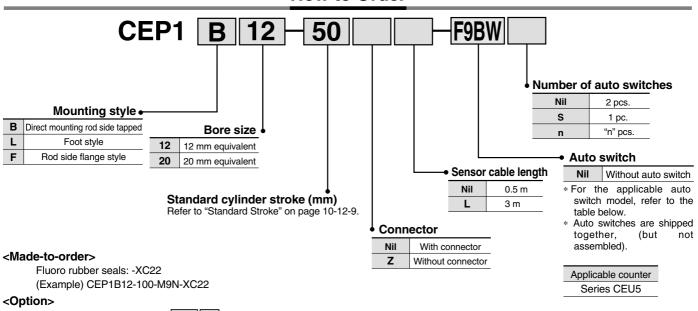
High Precision Stroke Reading Cylinder Non-rotating Piston Type

Series CEP1

ø12, ø20



How to Order



Extension cable Extension cable & connector

Extension cable CE1-R | 05 Cable length Suffix

05	5 m
10	10 m
15	15 m
20	20 m

Mounting Bracket Part No.

Cylinder part no.	Foot	Rod side flange		
CEP1□12	CEP1-L12	CEP1-F12		
CEP1□20	CEP1-L20	CEP1-F20		

Applicable Auto Switch/Refer to page 10-20-1 for further information on auto switches.

Type	Cassial function	Electrical	rlight	Wiring	Load voltage		Auto switch model		Lead wire length (m)			Pre-wire			
Type	Special function	entry	Indicator light	(Output)	[oc .	AC	Perpendicular	In-line	0.5 (Nil)	3 (L)	5 (Z)	connector	Applicable load	
Reed switch		Grommet		3-wire (NPN equivalent)	_	5 V		A96V	A96	•	•	ı	_	IC circuit	_
Reec				2-wire	24 V	12 V	100 V	A93V	A93	•	•	_	_	_	Relay, PLC
Solic		n		3-wire (NPN)	57/ 107/		M9NV	M9N	•	•	0	0	- IC circuit		
			Yes	3-wire (PNP)		5 V, 12 V		M9PV	М9Р	•	•	0	0	TO CITCUIT	
				2-wire		12 V	_	M9BV	M9B	•	•	0	0		5.
	Diagnostic indication (2-color indication)			3-wire (NPN)	24 V	24 V		F9NWV	F9NW	•	•	0	0		Relay, PLC
				3-wire (PNP)			5 V, 12 V	F9PWV	F9PW	•	•	0	0	IC circuit	
				2-wire	ire	12 V		F9BWV	F9BW	•	•	0	0		
	Water resistant (2-color indication)			Z-WIIE				_	F9BA		•	0	0	_	

^{*} Lead wire length symbols:

0.5 m Nil 3 m L 5 m Z

(Example) M9N

(Example) M9NL (Example) M9NZ * Solid state switches marked with "O" are produced upon receipt of order.

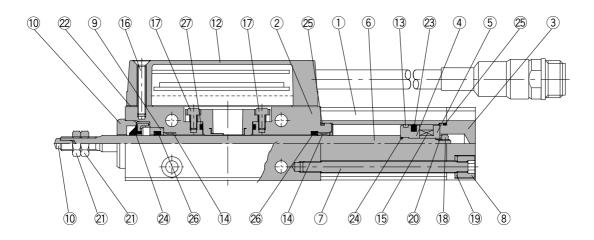
[•] Refer to page 10-12-16 for details on other applicable auto switches than listed above.

For details about auto switches with pre-wire connector, refer to page 10-20-66.

High Precision Stroke Reading Cylinder Non-rotating Piston Type Series CEP1

Construction

ø12, ø20



Component Parts

No.	Description	Material	Note		
1	Cylinder tube	Aluminum alloy	Hard anodized		
2	Rod cover	Aluminum alloy	Hard chrome plated		
3	Head cover	Aluminum alloy	Hard anodized		
4	Piston A	Aluminum alloy	Hard anodized		
(5)	Piston B	Aluminum alloy	Hard anodized		
6	Piston rod	Carbon steel	Hard chrome plated		
7	Tie-rod	Carbon steel	Chromated		
8	Tie-rod nut	Carbon steel	Nickel plated		
9	Seal ring	Aluminum alloy	White anodized		
10	Centering location ring	Aluminum alloy	White anodized		
11)	Rod end pin	Stainless steel	Quenched		
12	Sensor unit	_	With or without connector		
13	Wear ring	Special resin			
14)	Bushing	Cast iron			

No.	Description	Material	Note		
15	Magnet	Rare earth			
16	Cross recessed countersunk head screw	Chromium molybdenum steel	Nickel plated		
17	Hexagon socket head cap screw	Stainless steel			
18	Hexagon nut	Carbon steel	Nickel plated		
19	Spring washer	Steel wire	Nickel plated		
20	Spring washer	Steel wire	Nickel plated		
21)	Hexagon nut	Carbon steel	Rod end nut		
22	Sensor case gasket	NBR			
23	Piston seal	NBR			
24)	Scraper	NBR			
25	Tube gasket	NBR			
26	Rod seal	NBR			
27)	O-ring	NBR			
28	O-ring	NBR			

^{*} Since there is a possibility of improper operation, please contact SMC regarding the replacement of seals.

RE A

REC

C□X

CUY

MQM

RHC

MK(2)

RS^Q

RS^H

RZQ

МIs

CEP1

CE2

ML2B

C_G^J5-S

CV

MVGQ

CC

RB

J

D--X

20-

Data

