

# Stroke Reading Cylinder with Brake

## CE2 Series

ø40, ø50, ø63, ø80, ø100



(Note) CE-compliant: When connecting to a multi-counter (CEU5□□-D, power supply voltage 24 VDC). Refer to the counter operation manual for details.



### How to Order

**CE2 B 40** - **100** - **M9BW**

**Mounting type**

B	Basic type
L	Foot type
F	Rod side flange type
G	Head side flange type
C	Single clevis type
D	Double clevis type
T	Center trunnion type

**Port thread type**

Nil	Rc
TN	NPT
TF	G

**Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

**Applicable counter/Controller**

CEU5 series
CEU2 series

**Suffix for cylinder**

Rod boot	J	Nylon tarpaulin
	K	Neoprene cross
Cushion	Nil	With cushion on both ends
	N	Without cushion
	R	With rod cushion
	H	With head cushion
Connector	Nil	With connector
	Z	Without connector

**Auto switch**

Nil	Without auto switch (Built-in magnet)
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**Cylinder stroke (mm)**  
Refer to "Standard Stroke" on page 686.

### Applicable Auto Switches/Refer to pages 941 to 1067 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)					Pre-wired connector	Applicable load					
					DC	AC	Tie-rod mounting	Band mounting	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	IC circuit		Relay, PLC					
Solid state auto switch	—	Grommet	—	3-wire (NPN)	24V	5 V, 12 V	—	M9N	●	●	○	○	○	—	IC circuit	—				
				3-wire (PNP)				—	G59	●	●	○	○							
		Terminal conduit	—	2-wire	12 V	—	M9B	—	●	●	○	○	○	—	—	—				
				3-wire (NPN)			G39C	G39	—	—	—	—								
	Diagnostic indication (2-color indicator)	Grommet	Yes	—	3-wire (NPN)	24V	5 V, 12 V	—	M9N	●	●	○	○	—	IC circuit	Relay, PLC				
					3-wire (PNP)				—	G59W	●	●	○				○			
					2-wire	12 V	—	M9PW	●	●	○	○	—	—						
					3-wire (NPN)			G39C	G39	—	—	—			—					
					Water resistant (2-color indicator)	Grommet	—	—	3-wire (PNP)	24V	5 V, 12 V	—	M9B	●	●	○	○	—	—	—
									2-wire				—	K59	●	●	○			
With diagnostic output (2-color indicator)	Grommet	Yes	—	4-wire (NPN)	24V	5 V, 12 V	—	M9NW	●	●	○	○	—	IC circuit	Relay, PLC					
				3-wire (NPN equivalent)				—	G59W	●	●	○				○				
Reed auto switch	—	Grommet	Yes	2-wire	24V	12 V	—	A96**	●	●	○	○	—	IC circuit	Relay, PLC					
								A93**	●	●	○	○								
								A90**	●	●	○	○								
								A54	●	●	○	○								
								A64	●	●	○	○								
		Terminal conduit	Yes	—	—	—	—	—	—	A33C	A33	—	—	—	—	PLC				
										A34C	A34	—	—	—						
										A44C	A44	—	—	—						
										A59W	B59W	●	●	○			○			
										—	—	—	—	—						

\*1 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) M9NW  
1 m..... M (Example) M9NWM  
3 m..... L (Example) M9NWL  
5 m..... Z (Example) M9NWX

\* Solid state auto switches marked with "○" are produced upon receipt of order.  
\*\* Since D-A9□ and D-A9□V cannot be mounted on ø50, use of D-Z7□ or D-Z80 is recommended.

\* Since there are other applicable auto switches than listed, refer to page 697 for details.  
\* For details about auto switches with pre-wired connector, refer to pages 1014 and 1015.  
\* D-A9□/M9□/M9□W/M9□A(V) auto switches are shipped together (not assembled). (Only auto switch mounting brackets are assembled before shipped.)



CEP1  
CE1  
CE2  
ML2B

D-□  
-X□