

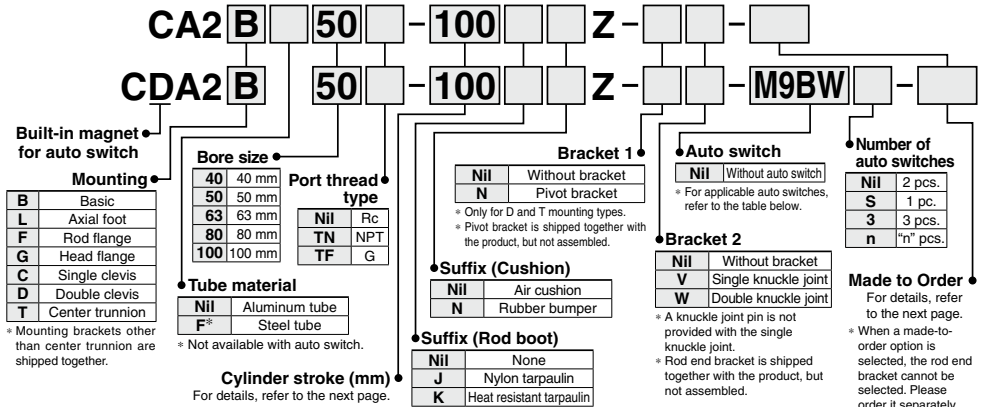
Air Cylinder: Standard Type Double Acting, Single Rod

CA2 Series

ø40, ø50, ø63, ø80, ø100

RoHS

How to Order



Applicable Auto Switches

Refer to pages 1271 to 1365 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)					
Solid state auto switch	—	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	●	○	○	IC circuit	Relay, PLC		
				3-wire (PNP)				M9P	●	●	●	○	○				
				2-wire	M9B	●	●	●	○	○							
		Terminal conduit		3-wire (NPN)	12 V	—	G39C	—	—	—	—	—	—			—	—
				2-wire			K39C	—	—	—	—	—	—				
				3-wire (NPN)	5 V, 12 V	—	M9NW	●	●	●	○	○	IC circuit				
	3-wire (PNP)	M9PW	●	●			●	○	○								
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	24 V	12 V	—	M9BW	●	●	●	○	○	—			
				3-wire (NPN)				M9NA*1	—	○	○	●	○			○	
				3-wire (PNP)	M9PA*1	—	○	○	●	○	○						
		Terminal conduit		2-wire	5 V, 12 V	—	M9BA*1	—	○	○	●	○	○			—	
				3-wire (NPN)			12 V	—	G5BA*1	—	—	—	●				○
3-wire (PNP)				5 V, 12 V	—	F59F			●	—	—	●	○		○		IC circuit
Water resistant (2-color indicator)	Grommet	No	4-wire (NPN)			24 V	—	—	P3DWA	●	—	—	●	○	—		
			2-wire (Non-polar)	P4DW	—				—	—	—	—	○	○			
			Terminal conduit	3-wire (NPN equivalent)	5 V	—	A96	—	—	—	●	—	—	—		IC circuit	
	2-wire			24 V			12 V	—	A93	—	—	●	●	—		—	IC circuit
	Grommet				100 V	A90			—	—	●	●	—	—		—	
			100 V or less	A54	B54	●	—	●	●	—	—						
100 V, 200 V		A64	B64	●	—	●	●	—	—								
Magnetic field resistant (2-color indicator)	Grommet	No	2-wire	24 V	—	—	A33C	A33	—	—	—	—	—				
							A34C	A34	—	—	—	—		—			
			Terminal conduit	100 V, 200 V	A44C	A44	—	—	—	—	—	—		Relay, PLC			
	—			A59W	B59W	●	—	—	—	—	—						
	—			A96	B96	●	—	—	—	—	—						

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.
A water-resistant type cylinder is recommended for use in an environment which requires water resistance.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.
1 m..... M (Example) M9NWM
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NWX

* Since there are other applicable auto switches than listed above, refer to page 613 for details.
* For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.
* The D-A9□/M9□□/P3DWA□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)

Air Cylinder: Standard Type

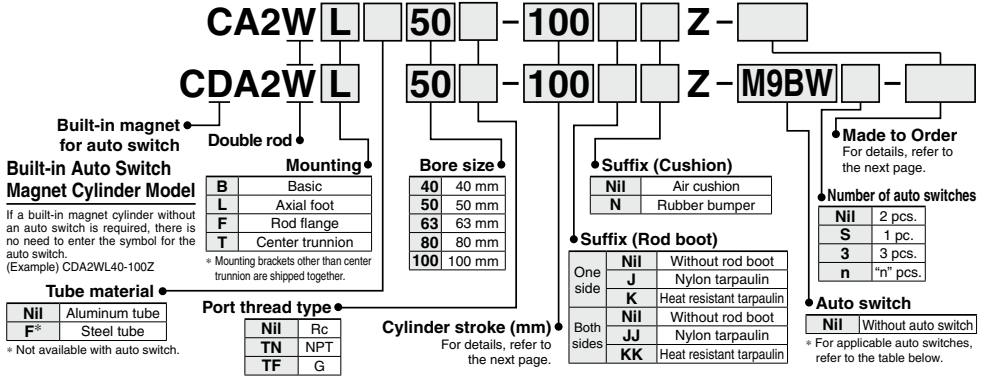
Double Acting, Double Rod

CA2W Series

∅40, ∅50, ∅63, ∅80, ∅100

RoHS

How to Order



Applicable Auto Switches/Refer to pages 1271 to 1365 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)		
Solid state auto switch	—	Grommet	—	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	—	●	●	●	○	IC circuit		
				3-wire (PNP)				G59	—	●	●	●	○			
		2-wire		M9P	—	●	●	●	○	—						
		—		G5P	—	●	●	●	○							
	Diagnostic indication (2-color indicator)	Terminal conduit	Yes	3-wire (NPN)	12 V	—	—	G39C	G39	—	—	—	—	IC circuit		
				2-wire				K39C	K39	—	—	—	—			
	Water resistant (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NW	—	●	●	●	○	—		
				3-wire (PNP)				G59W	—	●	●	●	○			
				2-wire	M9PW	—	●	●	●	○	—					
				—	G5PW	—	●	●	●	○						
With diagnostic output (2-color indicator)	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9B	—	●	●	●	○	—			
			3-wire (PNP)				K59	—	●	●	●	○				
			2-wire	M9B	—	●	●	●	○	—						
			—	K59W	—	●	●	●	○							
Magnetic field resistant (2-color indicator)	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9NA*1	—	○	○	●	○	—			
			3-wire (PNP)				M9PA*1	—	○	○	●	○				
			2-wire	M9BA*1	—	○	○	●	○	—						
			—	G5BA*1	—	○	○	●	○							
Reed auto switch	—	Grommet	Yes	3-wire (NPN equiv.)	24 V	12 V	—	A96	—	●	●	●	○	IC circuit		
				—				A93	—	●	●	●	○			
		Terminal conduit		No	2-wire	100 V	12 V	—	—	A90	—	●	●	●	○	IC circuit
										100 V or less	A54	B54	●	●	●	
		DIN terminal		Yes	2-wire	200 V or less	12 V	—	—	A64	B64	●	●	●	○	—
										—	A33C	A33	—	—	—	
Diagnostic indication (2-color indicator)	Grommet	No	2-wire	100 V, 200 V	12 V	—	—	A34C	A34	—	—	—	—			
								—	A44C	A44	—	—		—	—	
—	Grommet	Yes	2-wire (Non-polar)	—	—	—	—	A59W	B59W	—	—	—	—			
								—	—	—	—	—		—	—	

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.

A water-resistant type cylinder is recommended for use in an environment which requires water resistance.

* Lead wire length symbols: 0.5 m.....Nil (Example) M9NW 3 m.....L (Example) M9NWL
1 m.....M (Example) M9NWM 5 m.....Z (Example) M9NZ

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

* Since there are other applicable auto switches than listed above, refer to page 613 for details.

* For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.

* The D-A9□/M9□□/P3DWA□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)

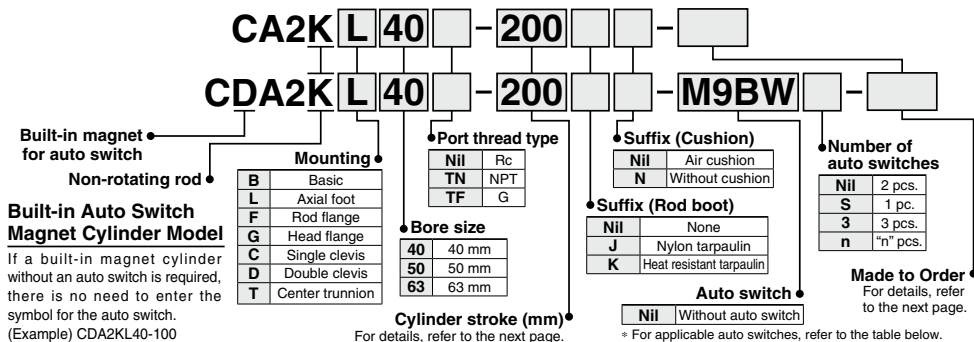
Air Cylinder: Non-rotating Rod Type

Double Acting, Single Rod

CA2K Series

ø40, ø50, ø63

How to Order



Applicable Auto Switches/Refer to pages 1271 to 1365 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 (Nil)	Band mounting	0.5 (M)	1 (L)	3 (Z)	5 (Z)				
Solid state auto switch	—	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	—	●	●	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)				—	G59	—	●	●	○			○
				2-wire				—	G5P	—	●	●	○			○
		Terminal conduit		3-wire (NPN)	24 V	12 V	—	M9B	—	●	●	○	○			
				2-wire				—	K59	—	●	●	○			○
				3-wire (NPN)				24 V	5 V, 12 V	—	G39C	G39	—			—
	3-wire (PNP)	24 V	12 V	—	K39C	K39	—				—	—				
	2-wire				24 V	5 V, 12 V	—				M9NW	—	●	●		○
	Grommet							3-wire (NPN)	24 V	12 V	—	M9PW	—	●		●
		3-wire (PNP)	24 V	5 V, 12 V				—				M9BA*1	—	○		○
		2-wire			24 V	12 V	—					M9BA*1	—	○		○
	Water resistant (2-color indicator)	3-wire (NPN)							24 V	5 V, 12 V	—	M9BA*1	—	○		○
3-wire (PNP)		24 V	12 V	—				M9BA*1				—	○	○	●	○
2-wire					24 V	5 V, 12 V	—	M9BA*1				—	○	○	●	○
With diagnostic output (2-color indicator)	4-wire (NPN)							24 V	5 V, 12 V	—	M9NA*1	—	○	○	●	○
	2-wire (Non-polar)	24 V	12 V	—							M9NA*1	—	○	○	●	○
	Magnetic field resistant (2-color indicator)				2-wire (Non-polar)	24 V	5 V, 12 V				—	M9BA*1	—	○	○	●
Grommet					3-wire (NPN equiv.)			24 V	5 V	—		A96	—	●	—	—
		Terminal conduit	24 V	12 V	—							A93	—	●	●	●
	DIN terminal					24 V	12 V				—	A90	—	●	●	●
Grommet								24 V	12 V	—		A54	B54	—	—	—
		24 V	12 V	—	A64							B64	—	—	—	—
	24 V				12 V	—	A33C				A33	—	—	—	—	
24 V							12 V	—	A34C	A34	—	—	—	—		
		24 V	12 V	—					A44C	A44	—	—	—	—		
	24 V				12 V	—			A59W	B59W	—	—	—	—		
24 V							12 V	—	A96	—	●	—	—	—		
		24 V	12 V	—					A93	—	●	●	●	—		
	24 V				12 V	—			A54	B54	—	—	—	—		
24 V							12 V	—	A64	B64	—	—	—	—		
		24 V	12 V	—					A33C	A33	—	—	—	—		
	24 V				12 V	—			A34C	A34	—	—	—	—		
24 V							12 V	—	A44C	A44	—	—	—	—		
		24 V	12 V	—					A59W	B59W	—	—	—	—		

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Please contact SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.
 1 m..... M (Example) M9NM
 3 m..... L (Example) M9NL
 5 m..... Z (Example) M9NZ

* Since there are other applicable auto switches than listed above, refer to page 613 for details.

* For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.

* The D-A9□/M9□□/P3DWA□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)

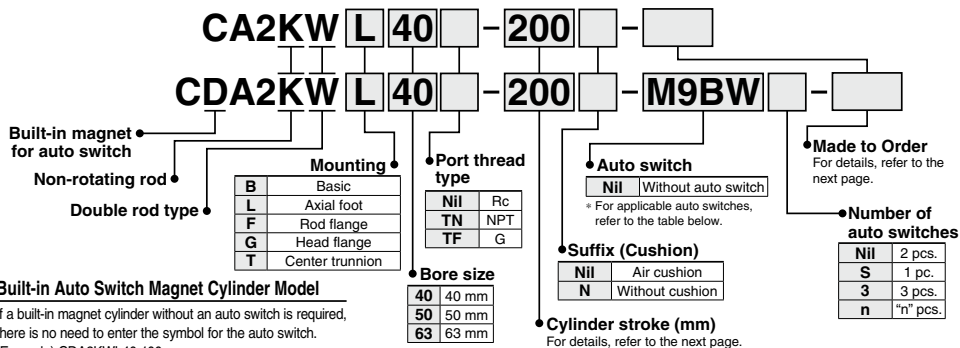
Air Cylinder: Non-rotating Rod Type

Double Acting, Double Rod

CA2KW Series

ø40, ø50, ø63

How to Order



Built-in Auto Switch Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.
(Example) CDA2KWL40-100

Applicable Auto Switches/Refer to pages 1271 to 1365 for further information on auto switches.

Type	Special function	Electrical entry	Increase 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)				
Solid state auto switch	—	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	●	○	○	IC circuit	—	
				3-wire (PNP)				M9P	●	●	●	○	○			
		2-wire		M9B	●	●	●	○	○							
		2-wire		K59	●	●	●	○	○							
	Diagnostic indication (2-color indicator)	Terminal conduit	Yes	3-wire (NPN)	12 V	5 V, 12 V	—	G39C	G39	—	—	—	—	IC circuit	Relay, PLC	
				2-wire				K39C	K39	—	—	—	—			
		3-wire (NPN)		M9NW	—	●	●	●	○	○						
		3-wire (PNP)		M9PW	—	●	●	●	○	○						
	Water resistant (2-color indicator)	Grommet	No	2-wire	24 V	12 V	—	M9BW	—	●	●	●	○	○	—	
				2-wire				K59W	—	●	●	●	○	○		
3-wire (NPN)		M9NA*1		—	○	○	○	○	○							
3-wire (PNP)		M9PA*1		—	○	○	○	○	○							
With diagnostic output (2-color indicator)	Terminal conduit	Yes	2-wire	12 V	5 V, 12 V	—	M9BA*1	—	○	○	○	○	○	—		
			2-wire				G5BA*1	—	—	—	●	○	○			
	4-wire (NPN)		F59F	G59F	—	●	●	●	○	○						
	2-wire (Non-polar)		P3DWA	—	—	—	●	●	●	○	○					
Reed auto switch	—	Grommet	Yes	3-wire (NPN equiv.)	—	5 V	—	A96	—	●	—	●	—	—	IC circuit	—
				2-wire				A93	—	—	●	●	●	—		
		2-wire		A90	—	—	●	—	—	—	—					
		2-wire		A54	B54	—	●	—	—	—	—					
	Magnetic field resistant (2-color indicator)	Terminal conduit	No	2-wire	24 V	12 V	—	A64	B64	—	—	—	—	IC circuit	Relay, PLC	
				2-wire				A33C	A33	—	—	—	—			—
		2-wire		A34C	A34	—	—	—	—	—						
		2-wire		A44C	A44	—	—	—	—	—						
	Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	—	—	—	A59W	B59W	●	—	—	—	—	—	
				2-wire				A59	B59	●	—	—	—	—		

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.

Please contact SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.

1 m..... M (Example) M9NWW

3 m..... L (Example) M9NWL

5 m..... Z (Example) M9NZZ

* Since there are other applicable auto switches than listed above, refer to page 613 for details.

* For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.

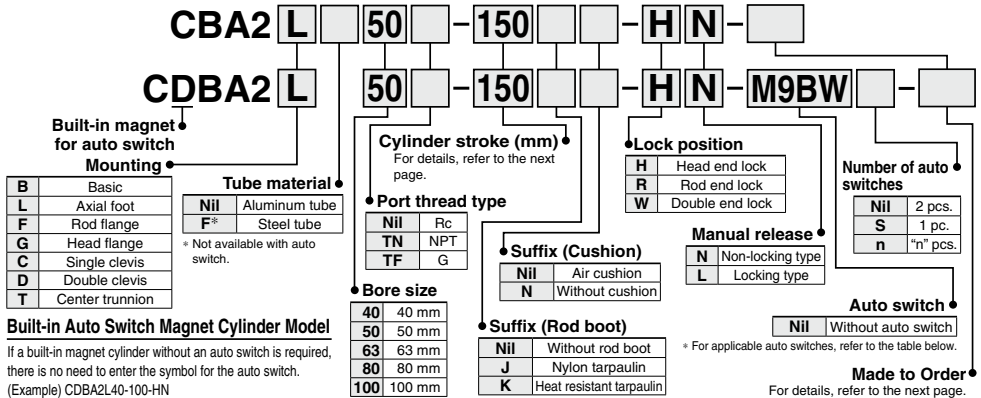
* The D-A9□/M9□□/P3DWA□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)

Air Cylinder: With End Lock

CBA2 Series

∅40, ∅50, ∅63, ∅80, ∅100

How to Order



Applicable Auto Switches/Refer to pages 1271 to 1365 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)						
Solid state auto switch	—	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	●	○	○	—	IC circuit			
				3-wire (PNP)				G59	—	—	—	—						
				2-wire	12 V	M9P	●	●	●	○	○	—						
		3-wire (NPN)		G5P	—	—	—	—										
		2-wire		12 V	M9B	●	●	●	○	○	—							
		3-wire (PNP)		K59	—	—	—	—										
	Diagnostic indication (2-color indicator)	Terminal conduit	Yes	3-wire (NPN)	24 V	12 V	—	G39C	—	—	—	—	—	—	—			
				2-wire				K39C	—	—	—	—						
				3-wire (NPN)	M9NW	●	●	●	○	○	IC circuit							
		3-wire (PNP)		G59W	—	—	—	—										
		2-wire		12 V	M9PW	●	●	●	○	○	—							
		2-wire		12 V	G5PW	—	—	—	—									
Water resistant (2-color indicator)	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9NA ^{*1}	—	○	○	●	○	○	—	—			
			3-wire (PNP)				M9PA ^{*1}	—	○	○	●	○	○					
			2-wire	12 V	M9BA ^{*1}	—	○	○	●	○	○	—						
	4-wire (NPN)		G5BA ^{*1}	—	—	—	—											
	With diagnostic output (2-color indicator)		Grommet	Yes	2-wire	24 V	12 V	—	F59F	—	—	—	○	○	IC circuit			
					2-wire (Non-polar)	G59F	—	—	—	—								
Magnetic field resistant (2-color indicator)	Grommet	No	2-wire	24 V	5 V, 12 V	—	P3DWA	—	—	—	●	●	○	—				
			2-wire	—	P4DWA	—	—	—	—	—	○	○						
Reed auto switch	—	Grommet	Yes	3-wire (NPN equiv.)	24 V	5 V	—	A96	—	●	●	●	—	—	IC circuit	—		
				2-wire				12 V	A93	—	—	—	—	—			—	—
				2-wire	12 V	A90	—	—	—	—	—	—	—	—	IC circuit			
				2-wire	12 V	A54	B54	—	—	—	—	—	—					
				2-wire	12 V	A64	B64	●	—	—	—	—	—					
		Terminal conduit		Yes	No	2-wire	24 V	12 V	—	A33C	A33	—	—	—	—	—	—	PLC
						2-wire	12 V	A34C	A34	—	—	—	—	—	—			
						2-wire	12 V	A44C	A44	—	—	—	—	—	—	—	Relay, PLC	
						2-wire	12 V	A59W	B59W	●	—	—	—	—	—			
						2-wire	12 V	A59W	B59W	●	—	—	—	—	—			

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Please contact SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.
 1 m..... M (Example) M9NM
 3 m..... L (Example) M9NL
 5 m..... Z (Example) M9NZ

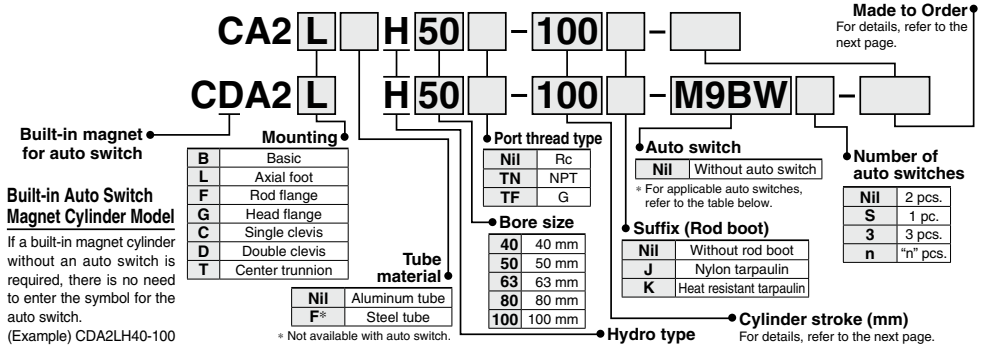
* Since there are other applicable auto switches than listed above, refer to page 613 for details.
 * For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.
 * The D-A9□/M9□□/P3DWA□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)

Air Cylinder: Air-hydro Type Double Acting, Single Rod

CA2□H Series

∅40, ∅50, ∅63, ∅80, ∅100

How to Order



Applicable Auto Switches/Refer to pages 1271 to 1365 for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model					Pre-wired connector	Applicable load				
					DC	AC	Tie-rod mounting	Band mounting	0.5 (Nil)	1 (M)	3 (L)			5 (Z)			
Solid state auto switch	—	Grommet	—	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	○	○	IC circuit				
				3-wire (PNP)				G59	●	●	○	○					
				2-wire				G5P	●	●	○	○					
				—				M9B	●	●	○	○					
	Diagnostic indication (2-color indicator)	Terminal conduit	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	G39C	G39	—	—	—	IC circuit				
				2-wire				K39C	K39	—	—	—					
				3-wire (NPN)				M9NW	—	●	●	○		○			
				3-wire (PNP)				M9PW	—	●	●	○		○			
	Water resistant (2-color indicator)	Grommet	—	2-wire	24 V	12 V	—	M9B	—	●	●	○	○	Relay, PLC			
				3-wire (NPN)				K59W	●	—	●	○	○				
3-wire (PNP)				M9NA ^{*1}				—	○	○	●	○	—				
2-wire				M9PA ^{*1}				—	○	○	○	○					
With diagnostic output (2-color indicator)	Grommet	—	4-wire (NPN)	24 V	5 V, 12 V	—	M9BA ^{*1}	—	○	○	○	IC circuit					
			2-wire (Non-polar)				G5BA ^{*1}	—	—	●	○		○				
Reed auto switch	—	Grommet	Yes	3-wire (NPN equiv.)	24 V	5 V	—	F59F	G59F	●	—	●	○	IC circuit			
				—				P3DWA	—	—	—	●	○		○		
				—				P4DW	—	—	—	—	●		●	○	
				—				A96 ^{*2}	—	—	—	—	●		—	—	
				—				A93 ^{*2}	—	—	—	—	●		●	●	IC circuit
				—				A90 ^{*2}	—	—	—	—	●		—	—	
				—				A54	B54	●	—	●	—		—	Relay, PLC	
				—				A64	B64	●	—	●	—		—		
				—				A33C	A33	—	—	—	—		—	—	
				—				A34C	A34	—	—	—	—		—		
—	A44C	A44	—	—	—	—	—	Relay, PLC									
—	A59W	B59W	●	—	●	—	—										

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance. Please contact SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.
1 m..... M (Example) M9NM **D-A9□ and D-A9□V types cannot be mounted on ø50. Use D-Z7□ and D-Z8□ instead.
3 m..... L (Example) M9NL
5 m..... Z (Example) M9NZ

* Since there are other applicable auto switches than listed above, refer to page 613 for details.

* For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.

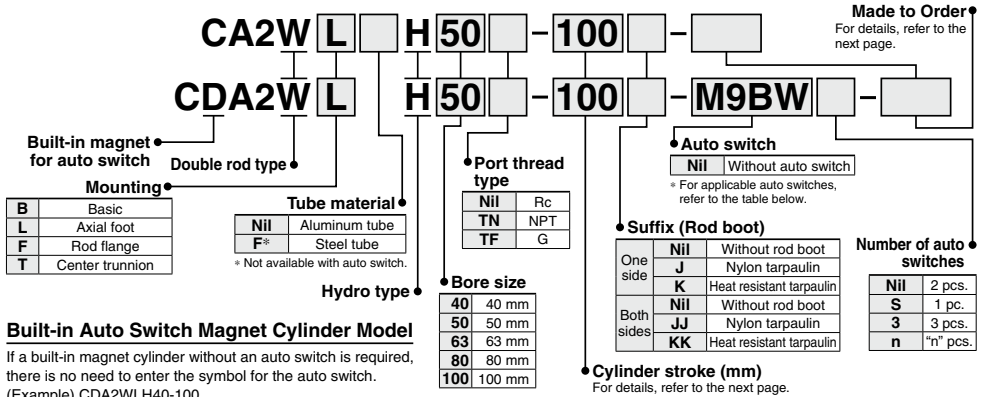
* The D-A9□/M9□□/P3DWD□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)

Air Cylinder: Air-hydro Type Double Acting, Double Rod

CA2W□H Series

∅40, ∅50, ∅63, ∅80, ∅100

How to Order



Built-in Auto Switch Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch.
(Example) CDA2WLH40-100

Applicable Auto Switches/Refer to pages 1271 to 1365 for further information on auto switches.

Type	Special function	Electrical entry	Indicate 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)			
Solid state auto switch	—	Grommet	No	3-wire (NPN)	24 V	5 V, 12 V	—	M9N	●	●	●	○	○	IC circuit	Relay, PLC
				3-wire (PNP)				G59	—	—	—	—			
				2-wire	M9P	●	●	●	○	○					
		Terminal conduit		3-wire (NPN)	12 V	—	G39C	—	—	—	—				
				2-wire			K39C	—	—	—	—				
				3-wire (PNP)	M9NW	●	●	●	○	○					
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9PW	●	●	●	○	○		
				3-wire (PNP)				G59W	—	—	—	—			
				2-wire	M9BW	●	●	●	○	○					
	Water resistant (2-color indicator)	Grommet		No	3-wire (NPN)	24 V	5 V, 12 V	—	M9NA*1	—	○	○	○	○	
					3-wire (PNP)				M9PA*1	—	○	○	○	○	
					2-wire	M9BA*1	—	○	○	●	○				
			With diagnostic output (2-color indicator)		Grommet	2-wire	12 V	—	—	M9BA*1	—	○	○	●	
	4-wire (NPN)	G5BA*1				—				—	—	—			
Magnetic field resistant (2-color indicator)	Grommet	No	2-wire (Non-polar)		24 V	5 V, 12 V	—	F59F	●	—	○	○	○		
			2-wire	G59F				—	—	—	—				
Reed auto switch	—		Grommet	Yes	3-wire (NPN equiv.)	24 V	12 V	—	A86**	—	●	●	—	—	
					2-wire				A93**	—	●	●	●	—	
					Terminal conduit	100 V or less	A90**	—	●	●	●	—			
						100 V, 200 V	A54	B54	—	—	—	—			
		DIN terminal	200 V or less		A64	B64	●	—	—	—					
			—		A33C	A33	—	—	—	—					
		Grommet	100 V, 200 V		A34C	A34	—	—	—	—					
			—		A44C	A44	—	—	—	—					
Diagnostic indication (2-color indicator)	Grommet	Yes	2-wire	—	—	—	A59W	B59W	●	—	—	—			

*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.
Please contact SMC regarding water resistant types with the above model numbers.

* Lead wire length symbols: 0.5 m..... Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.
1 m..... M (Example) M9NWM **D-A9□ and D-A9□V types cannot be mounted on ø50. Use D-Z7□ and D-Z8□ instead.
3 m..... L (Example) M9NWL
5 m..... Z (Example) M9NwZ

* Since there are other applicable auto switches than listed above, refer to page 613 for details.

* For details about auto switches with pre-wired connector, refer to pages 1340 and 1341.

* The D-A9□/M9□□/P3D□□ auto switches are shipped together, (but not assembled). (However, auto switch mounting brackets are assembled for the D-A9□/M9□□ before shipment.)