

# ISO Standard (15552)

## Air Cylinder: Standard Type Double Acting, Single/Double Rod

# CP96 Series

ø32, ø40, ø50, ø63, ø80, ø100



RoHS

The **CP96** series, standard type, ø125 is the same as the previous model. For details, refer to the **Web Catalog**.

### How to Order

**CP96S** **B** **32** - **100** **C** **J** **W** - **□**

**With auto switch** **CP96SD** **B** **32** - **100** **C** **J** **W** - **M9BW** **S** - **□**

**With auto switch** • (Built-in magnet)

**Mounting** •

<b>B</b>	Basic
<b>L</b>	Axial foot
<b>F</b>	Rod flange
<b>G</b>	Head flange
<b>C</b>	Single clevis
<b>D</b>	Double clevis

\* Mounting brackets are shipped together, but not assembled.

**Bore size** •

<b>32</b>	32 mm
<b>40</b>	40 mm
<b>50</b>	50 mm
<b>63</b>	63 mm
<b>80</b>	80 mm
<b>100</b>	100 mm

**Cylinder stroke [mm]** •  
Refer to "Standard Strokes" on page 130.

**Air cushion on both ends + Bumper cushion** •

**Rod boot** •

<b>Nil</b>	Without rod boot
<b>J</b>	Nylon tarpaulin (One end)
<b>JJ</b>	Nylon tarpaulin (Both ends)
<b>K</b>	Heat-resistant tarpaulin (One end)
<b>KK</b>	Heat-resistant tarpaulin (Both ends)

**Number of auto switches**

<b>Nil</b>	2
<b>S</b>	1
<b>3</b>	3
<b>n</b>	n

**Auto switch**

<b>Nil</b>	Without auto switch
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\* For applicable auto switches, refer to the table below.

**Rod**

<b>Nil</b>	Single rod
<b>W</b>	Double rod

**Made to Order** •  
Refer to page 130 for details.

**Applicable Auto Switches**/Refer to the **Web Catalog** or Best Pneumatics 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		0.5 (Nil)	1 (M)	3 (L)	5 (Z)			
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	M9N	●	●	●	○	○	IC circuit	Relay, PLC
				3-wire (PNP)			M9P	●	●	●	○	○		
				2-wire			M9B	●	●	●	○	○		
	Diagnostic indication (2-color indicator)	Grommet		3-wire (NPN)	5 V, 12 V		M9NW	●	●	●	○	○	IC circuit	
				3-wire (PNP)			M9PW	●	●	●	○	○		
	Water-resistant (2-color indicator)	Grommet		2-wire	12 V		M9BW	●	●	●	○	○	—	
				3-wire (NPN)	5 V, 12 V		M9NA*1	○	○	●	○	○	IC circuit	
				3-wire (PNP)			M9PA*1	○	○	●	○	○		
				2-wire			12 V	M9BA*1	○	○	●	○		
			—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96	●	—	●	—
No	2-wire	24 V				12 V	100 V	A93	●	●	●	●	—	—
								100 V or less	A90	●	—	●	—	—

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

\* Lead wire length symbols: 0.5 m ..... Nil (Example) M9NW  
1 m ..... M (Example) M9NWM  
3 m ..... L (Example) M9NWL  
5 m ..... Z (Example) M9NWZ

\* 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 146 for details.

\* The D-A9□/M9□/M9□W/M9□A auto switches are shipped together, but not assembled. (Only the auto switch mounting brackets are assembled before shipment.)

\* The D-Y59A, Y69A, Y7P, Y7□W, Z7□, Z80 cannot be mounted on the CP96 series.

Moreover, the D-M9□□ and A9□ auto switches cannot be mounted on square groove of the CP96 series.