

ISO/VDMA Cylinder: Standard Type Double Acting with End of Stroke Cushioning

Series CP95

ø32, ø40, ø50, ø63, ø80, ø100

How to Order

Without auto switch

CP95S B 32 100 W

With auto switch

CP95SD B 32 100 W Z76 S

Built-in magnet

Mounting style

B	Basic/without bracket
L	Axial foot
F	Head side flange
G	Rod side flange
C	Single rear clevis
D	Double rear clevis

Bore size

32	32 mm
40	40 mm
50	50 mm
63	63 mm
80	80 mm
100	100 mm

Stroke (mm)
(Refer to "Standard Stroke" on page 6-13-6.)

Auto switch

Nil	Without auto switch
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* For the applicable auto switch model, refer to the table below.

Number of auto switches

Nil	2 pcs.
S	1 pc.
3	3 pcs.
n	"n" pcs.

Rod

Nil	Single rod
W	Double rod

Applicable Auto Switch/Tie-rod Mounting Type

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage			Auto switch model		Lead wire length (m) ^{Note}			Applicable load	Mounting bracket	
					DC	AC	Electrical entry direction	0.5 (Nil)	3 (L)	5 (Z)					
											Vertical	Lateral			
Reed switch	—	Grommet	Yes	3-wire	—	5 V	—	—	Z76	●	●	—	IC circuit	Relay, PLC	
				2-wire	24 V	—	100 V	—	Z73	●	●	●	—		
			No			5 V, 12 V	100 V or less	—	Z80	●	●	—	IC circuit		
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	Y69A	Y59A	●	●	○	IC circuit	Relay, PLC	BMP1-032
				3-wire (PNP)		12 V		Y7PV	Y7P	●	●	○	—		
				2-wire				Y69B	Y59B	●	●	○	—		
	Diagnostic indication (2-color indication)			3-wire (NPN)		5 V, 12 V		Y7NWV	Y7NW	●	●	○	IC circuit		
				3-wire (PNP)		Y7PWV		Y7PW	●	●	○	—			
				2-wire		12 V		Y7BWV	Y7BW	●	●	○	—		
						—		Y7BA	—	●	—	—	—		
Water resistant (2-color indication)															

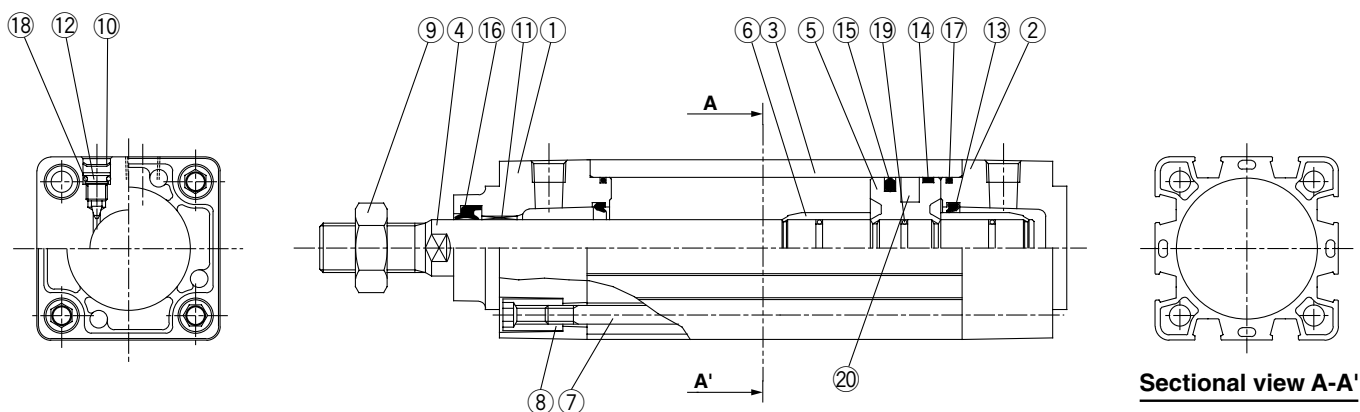
* Lead wire length symbols: 0.5 m Nil (Example) A53
3 m L (Example) A53L
5 m Z (Example) A53Z

○: Manufactured upon receipt of order.

Series CP95

Construction

[First angle projection]



Component Parts

No.	Description	Material
①	Rod cover	Aluminum die-casted
②	Head cover	Aluminum die-casted
③	Cylinder tube	Aluminum alloy
④	Piston rod	Carbon steel
⑤	Piston	Aluminum alloy
⑥	Cushion ring	Brass
⑦	Tie-rod	Steel
⑧	Tie-rod nut	Steel
⑨	Rod end nut	Steel
⑩	Snap ring	Steel for spring
⑪	Bushing	Lead-bronze casted
⑫	Cushion valve	Steel
⑬	Cushion seal	Urethan rubber
⑭	Wear ring	Resin
⑮	Piston seal	NBR
⑯	Rod seal	NBR
⑰	Cylinder tube gasket	NBR
⑱	Cushioning valve seal	NBR
⑲	Piston/rod gasket	NBR
⑳	Magnet	

Replacement Parts: Seal Kit

Bore size (mm)	Part no.	Contents
32	CS95-32	Kits include items ⑬ to ⑰.
40	CS95-40	
50	CS95-50	
63	CS95-63	
80	CS95-80	
100	CS95-100	

* Seal kits consist of items ⑬ to ⑰ contained in one kit, and can be ordered using the order number for each respective tube bore size.