

ISO Cylinder/Standard: Double Acting

Series C95K

ø32, ø40, ø50, ø63, ø80, ø100

How to Order

Standard C95KD B 32 100 W A53 S

Built-in magnet

Mounting

B	Basic/without bracket
L	Axial foot
F	Front flange
G	Rear flange
C	Single rear clevis
D	Double rear clevis
T	Centre trunnion

Bore size

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

Auto switch

—	Without auto switch
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* Refer to table below for selection of applicable auto switch.

Number of auto switches

—	2
S	1
3	3
n	n

Auto switch

—	Without auto switch
---	---------------------

* Refer to table below for selection of applicable auto switch.

Rod specifications

—	Stainless steel 1.4301 standard
W	double/through rod

Stroke (mm)

Refer to standard stroke table on p.1.11-12 maximum 1000mm

Applicable Auto Switches/Tie rod mounting

Style	Special function	Electrical entry	Indicator	Load voltage			Auto switch model	Lead wire (m) ^{*)}			Applicable load		Mounting bracket	
				Wiring (Output)	DC	AC		0.5 (—)	3 (L)	5 (Z)				
Reed switch	—	Grommet	Yes	3 wire (Equiv. to NPN)	—	5V	—	A56	●	●	—	IC	—	ø32,ø40 BT-03
				2 wire	24V	12V	—	A53	●	●	●	—	Relay PLC	
	5V,12V		100V,200V			A54	●	●	●	—				
	5V,12V		—			A67	●	●	—	—				
Diagnosis indication (2 colour)	Yes	—	—	—	—	A59W	●	●	—	—	—	—		
Solid state switch	—	Grommet	Yes	3 wire (NPN)	24V	5V,12V	—	F59	●	●	○	IC	ø50,ø63 BT-05	
				3 wire (PNP)				F5P	●	●	○			
	2 wire			—	—	100V,200V	J51	●	●	○	—	ø80,ø100 BT-06		
	3 wire (NPN)			24V	12V	—	J59	●	●	○	IC			
							F59W	●	●	○				
							F5PW	●	●	○				
	3 wire (PNP)			24V	12V	—	J59W	●	●	○	IC			
	F5BA						—	●	○					
	F5NT						—	●	○					
	Water resistant (2 colour)			3 wire (NPN)	5V,12V	—	F59F	●	●	○	IC			
	With timer						F5LF	●	●	○		—		
	Diagnosis output (2 colour)						4 wire (NPN)	—	—	—		—	—	
Latch diagnosis output (2 colour)														

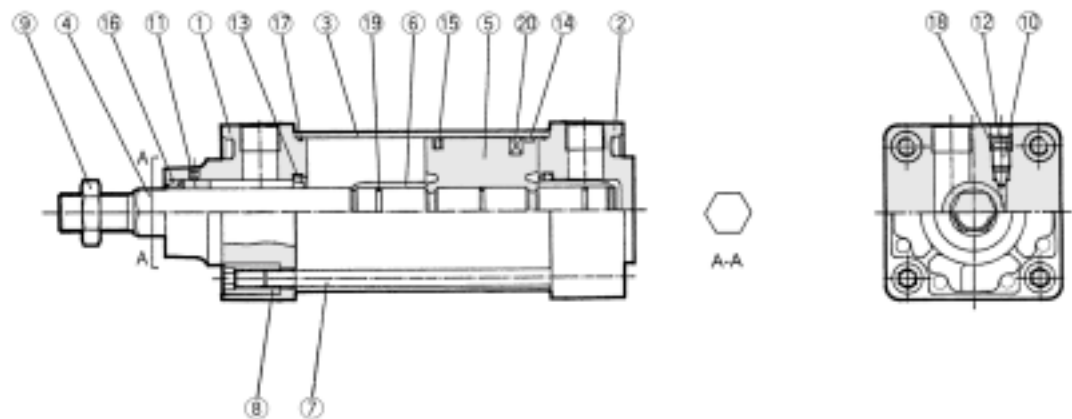
Type	Special function	Electrical entry	Indicator light	Wiring (output)	Load voltage		Auto switch model		Lead wire length (m) ^{Note)}			Applicable load		Mounting bracket	
					DC	AC	Electrical entry direction		0.5 (Nil)	3 (L)	5 (Z)				
Reed switch	—	Grommet	Yes	3 wire	—	5V	—	—	Z76	●	●	—	IC circuit	—	ø32,ø40 BMB4-032
				2 wire	24V	—	100V	—	Z73	●	●	●	—	Relay PLC	
						5V, 12V	100V or less	—	Z80	●	●	—	IC circuit		
Solid state switch	—	Grommet	Yes	3 wire (NPN)	24V	5V, 12V	—	Y69A	Y59A	●	●	○	IC circuit	ø50,ø63 BMB4-050	
				3 wire (PNP)				Y7PV	Y7P	●	●	○	—		
	2 wire			12V		Y69B		Y59B	●	●	○	—			
	3 wire (NPN)			5V, 12V		Y7NWV		Y7NW	●	●	○	IC circuit			
	3 wire (PNP)			24V	12V	Y7PWV		Y7PW	●	●	○	—			
	Y7BWV					Y7BW		●	●	○	—				
	Diagnostic indication (2 colour indicator)				2 wire	12V		—	Y7BA	—	●	—	—		
								—	—	—	—	—	—		
Water resistant (2 colour indicator)													ø80,ø100 BA4-063		

Lead wire length 0.5m..... — (Example: A53)
 3m..... L (Example: A53L)
 5m..... Z (Example: A53Z)

○: Manufactured upon receipt of order.

CJ1
CJP
CJ2
CM2
C85
C76
CG1
MB
MB1
CP95
C95
C92
CA1
CS1

Construction



Component Parts

No.	Description	Material	Note
①	Rod cover	Aluminum die cast	
②	Head cover	Aluminum die cast	
③	Cylinder tube	Aluminum die cast	
④	Piston rod	C45 anodised steel	
⑤	Piston	Aluminum die cast	
⑥	Cushion ring	Brass	
⑦	Tie rod	Steel	(chromated)
⑧	Tie rod nut	Steel	(chromated)
⑨	Mounting nut	Steel	(chromated)
⑩	Cushion adjustment screw	Steel	(chromated)
⑪	Bushing	Bronze bush	
⑫	Serrated washer	Steel	(chromated)
⑬	Cushion seal	PUR	

No.	Description	Material	Note
⑭	Wearing	Resin	
⑮	Piston seal	NBR	
⑯	Rod seal/Gasket	NBR	
⑰	Cylinder tube gasket	NBR	
⑱	Cushion screw seal	NBR	
⑲	Piston gasket	NBR	
⑳	Magnet ring		

Seal Kits

Bore size (mm)	Kit No.	Contents
32	CK95-32	Kits include items 13 to 17 for ø32, 12 to 18 for ø40 to ø100 from the table above.
40	CK95-40	
50	CK95-50	
63	CK95-63	
80	CK95-80	
100	CK95-100	

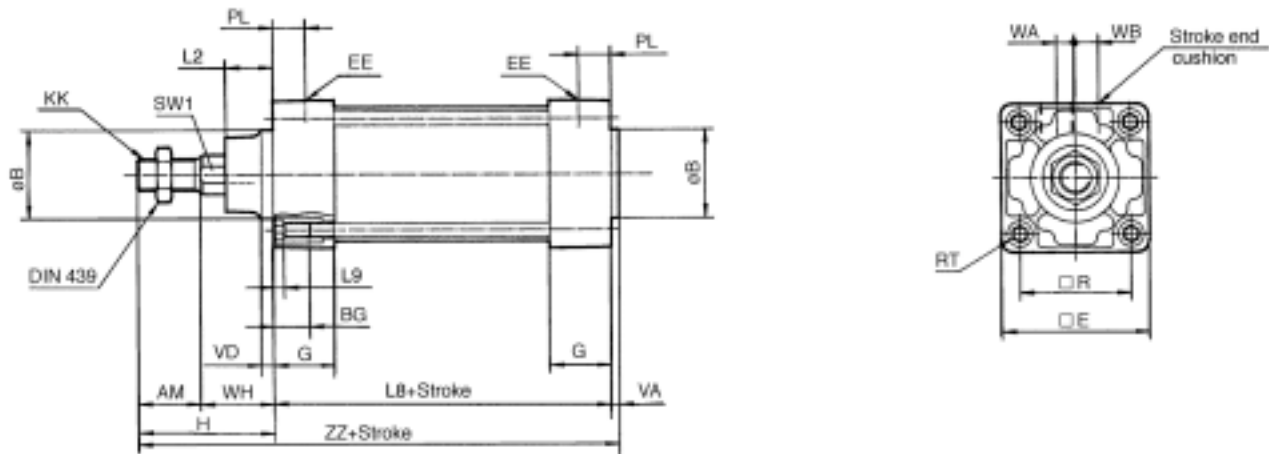
* Seal kits consist of items 13 to 17 for ø32, items 12 to 18 for ø40 to ø100 contained in one kit, and can be ordered using the order number for each respective tube bore size.

CJ1
CJP
CJ2
CM2
C85
C76
CG1
MB
MB1
CP95
C95
C92
CA1
CS1

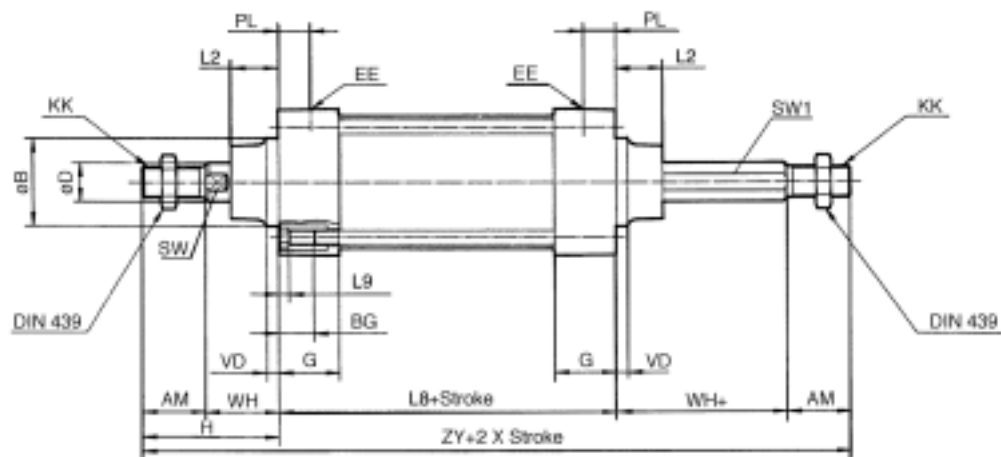
Series C95K

Without Mounting Bracket

C95KBø-Stroke



C95KBø-Stroke W



Bore size (mm)	AM	øB e11	øD	EE	PL	RT	KK	SW1	SW	G	BG	L8	VD	VA	WA	WB	WH	ZZ	ZY	□E	□R	L2	L9	H
32	22	30	12	G1/8	13	M6	M10 X 1.25	12.2	10	27	16	94	4	4	4	6.5	26	146	190	46	32.5	15	4	48
40	24	35	16	G1/4	14	M6	M12 X 1.25	14.2	13	27	16	105	4	4	4	9	30	163	213	52	38	17	4	54
50	32	40	20	G1/4	15.5	M8	M16 X 1.5	19	16	31.5	16	106	6	4	5	10.5	37	179	244	65	46.5	24	5	69
63	32	45	20	G3/8	16.5	M8	M16 X 1.5	19	16	31.5	16	121	6	4	9	12	37	194	259	75	56.5	24	5	69
80	40	45	25	G3/8	19	M10	M20 X 1.5	23	21	38	16	128	8	4	11.5	14	46	218	300	95	72	30	5	86
100	40	55	30	G1/2	19	M10	M20 X 1.5	27	21	38	16	138	8	4	17	15	51	233	320	114	89	32	5	91

* Refer to p.1.11-7 through 1.11-9 for dimensions with mounting bracket and accessories.