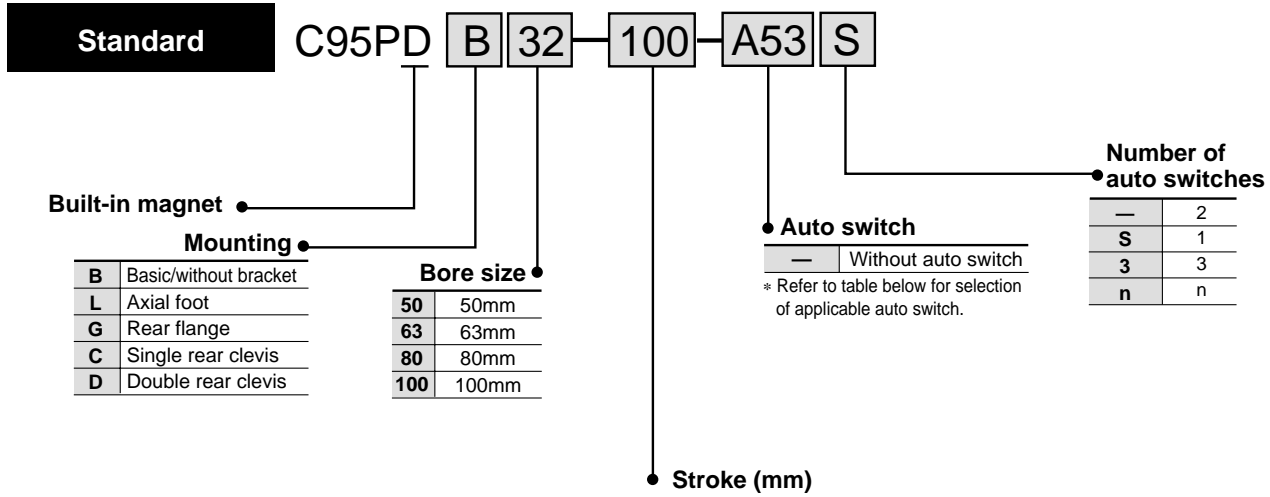


ISO Cylinder/Standard: Double Acting with Positioner

Series C95P

ø32, ø40, ø50, ø63, ø80, ø100

How to Order



Applicable Auto Switches/Tie rod mounting

Refer to standard stroke table on p.1-11-4 maximum 300mm

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	5V,12V	100V,200V	A53	●	●	●	—		Relay PLC	
						5V,12V	—	A67	●	●	—	IC			
						12V	200V or less	A64	●	●	—				
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)	—	—	100V,200V	F5P	●	●	○	—			
				2 wire	—	—	12V	—	J51	●	●			○	—
									J59	●	●	○			
				Diagnosis indication (2 colour)	—	—	—	5V,12V	—	F59W	●	●		○	IC
										F5PW	●	●		○	
				Water resistant (2 colour)	—	—	—	12V	—	J59W	●	●		○	—
										F5BA	—	●		○	
				With timer	—	—	—	5V,12V	—	F59W	●	●		○	IC
										F5PW	●	●		○	
Diagnosis output (2 colour)	—	—	—	24V	12V	—	J59W	●	●	○	—				
							F5BA	—	●	○					
Latch diagnosis output (2 colour)	—	—	—	3 wire (NPN)	5V,12V	—	F5NT	—	●	○	IC				
							F59F	●	●	○					
—	—	—	—	4 wire (NPN)	—	—	F5LF	●	●	○	—				
							—	—	—	—					

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	Vertical	Lateral	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	—	Vertical	Y69A	Y59A	●	●	○	Relay PLC	ø50,ø63 BMB4-050
				Lateral				Y7PV	Y7P	●	●	○			
				3 wire (PNP)				Y69B	Y59B	●	●	○			
				2 wire				Y7NWV	Y7NW	●	●	○			
				3 wire (NPN)				Y7PWV	Y7PW	●	●	○			
				3 wire (PNP)				Y7BWV	Y7BW	●	●	○			
				2 wire				—	Y7BA	—	●	—			
Diagnosis indication (2 colour indicator)	—	—	—	—	—	—	—	—	—	—	—	—	ø80,ø100 BA4-063		
Water resistant (2 colour indicator)	—	—	—	—	—	—	—	—	—	—	—				

* 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

Series C95P

Specifications

Application:

The positioner IP200 is capable of pneumatic positioning of the piston. Adjustable positions can be reached with high repeating accuracy. The piston stroke is in proportion to the air pressure input signal (0.02-0.01MPa). External forces on the position of the piston are reduced to a minimum by a special control system and an integrated function to revert the set position.

The IP200 shows excellent performance in remote control or standard control of flaps, proportioning devices, pumps, gears usw.

Specifications

- The bleed pressure acts directly onto the flapper plate. A change of the input signal will cause an instantaneous movement of the piston rod.
- easy and simple adjustment of neutral point and operation band from outside.
- Return spring is protected against accidental touches
- Positioner cylinder conforms to ISO and CETOP recommendations
- No change in dimensions with auto switch capability

How to order, page 1.11-19

Specifications

Fluid	Air 5µm filtration
Supply pressure "SUP" (MPa)	0.3 ~ 0.7
Signal pressure "SIG" (MPa)	0.02 ~ 0.1
Fluid temperature (°C)	+5 to +60
Linearity	< 2%*
Hystereses	< 1%*
Repeatability	< 1%*
Sensitivity	< 1%*
Port size	G1/4
Gauge port	G1/8
Primary pressure	0.5% with 0.5MPa
Flow rate (l/min)	250 with 0.5MPa
Leakage	< 18 with 0.5MPa
Bore Size (mm)	40 to 100
Cylinder stroke (mm)	25 to 300
Standard stroke (mm)	50/100/150/200/250/300
Max. possible stroke (mm)	300

*different in % related to full span.



Part No: Mounting Bracket, Mounting Accessories

Description	ø50	ø63	ø80	ø100
L	L5050	L5063	L5080	L5100
F,G	F5050	F5063	F5080	F5100
C	C5050	C5063	C5080	C5100
D	D5050	D5063	D5080	D5100
DS	DS5050	DS5063	DS5080	DS5100
ES	ES5050	ES5063	ES5080	ES5100
E	E5050	E5063	E5080	E5100
GKM	GKM16_32	GKM16-32	GKM20-40	GKM20-40
KJ	KJ16D	KJ16D	KJ20D	KJ20D
JA	JA50-16-150	JA50-16-150	JAH50-20-150	JAH50-20-150

Note 1) Two foot brackets required for one cylinder.

Note 2) Accessories for each mounting bracket are as follows.

Foot, Flange, Single clevis: Mounting bolts

Double rear clevis: (D,DS): Clevis pin

Note 3) GKM according to ISO 8140

Note 4) KJ according to ISO 8139

Note 5) Piston rod nut is standard

Weight accessories (kg)

Ø	50	63	80	100
L	0.38	0.46	0.89	1.09
F	0.47	0.58	1.30	1.81
C	0.37	0.60	1.07	1.73
D	0.45	0.71	1.28	2.11
E	0.42	0.52	0.94	1.40

Weight Table

Weight (kg)					
	Ø	50	63	80	100
	B		2.27	2.79	4.11
Weight each 50mm stroke		0.32	0.33	0.48	0.62

Example: C95PDB50-200

Cylinder Ø50mm, stroke 200mm

Bracket L

Weight = 2.72kg + (0.31kg × $\frac{200}{50}$) = 3.96kg

For dimensions of the brackets and accessories, please see C95S, page 1.11-4