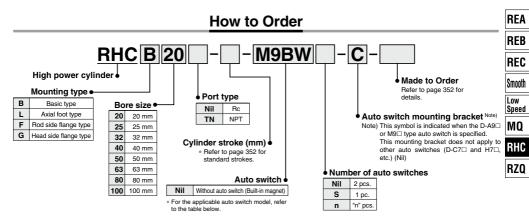
# RHC Series

Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100



Applicable Auto Switches/Refer to pages 941 to 1067 for further information on auto switches.

				l pag		Load voltage Auto switch model				Lead wire length (m)				m)				
_		Electrical	ndicator light	Wiring			Ī	Applicable bore size (mm)				Π.		Ĭ _	Ī	Pre-wired		
Type	Special function	entry	gg	(Output)		DC	AC	ø20 to ø63 Ø80, ø100		0.5 (Nil)	1	3		None	connector	Applicable load		
			힏				-	Perpendicular	In-line	In-line	(INII)	(IVI)	(L)	(Z)	(N)			
				a i AIDAN				M9NV	M9N	_	•	•	•	0	-	0		
		Grommet	t	3-wire (NPN) 3-wire (PNP)	5 V,	5 V, 12 V		_	_	G59	•	_	•	0	_	0	IC	
						5 V, 12 V		M9PV	M9P	_	•	•	•	0	_	0	circuit	
		Gionnie						-	_	G5P	•	-	•	0	-	0		
	–							M9BV	M9B	_	•	•	•	0	<u> </u>	0		
_				2-wire		12 V		-	_	K59	•	_	•	0	-	0	—	
달		Connector						_	H7C	_	•	_	•	•	•	_		
× ×		Terminal		3-wire (NPN)		5 V, 12 V		_	G		_	_	_	_	•	_	IC circuit	C circuit
state auto switch		conduit		2-wire		12 V		_		39	_	<u> </u>		_	- Relay,			
a l		Grommet	Yes	3-wire (NPN)	24 1/	5 V, 12 V 12 V 5 V, 12 V 12 V		M9NWV	M9NW		• •	•	•	0	_	0	IC PLC	
훂	Diagnostic indication (2-color indicator)			3-Wile (IVI IV)						G59W	•	_	•	0	느	0		1.50
sts				3-wire (PNP)				M9PWV	M9PW				0	circuit				
Solid			ŧt	o wile (i ivi )				_		G5PW	•	_	•	0	_	0		
တိ				2-wire				M9BWV	M9BW	_	•	•	•	0	느	0	_	
					1			_		K59W	•	_	•	0	_	0		
	Water resistant (2-color indicator)			3-wire (NPN)				M9NAV*1	M9NA*1	_	0	0	•	0	_	0	IC	
				3-wire (PNP)				M9PAV*1	M9PA*1		0	0	•	0	느	0	circuit	
				2-wire				M9BAV*1	M9BA*1		0	0	•	0	느	0	_	
								_		G5BA*1	•	_	•	0	_	0	10 1 1	
	With diagnostic output (2-color indicator)		_	4-wire (NPN)		5 V, 12 V			H7NF	G59F	•	=	•	0	_	0	IC circuit	
			Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	_	•	_	•	_	_	_	IC circuit	_
_		Grommet					100 V	A93V*2	A93		•	•	•	•	느	_		
호		Grommot	<u> </u>				100 V or less	A90V	A90	_	•	- •	•	_	_	_	IC circuit	
S.			SS No		24 V		100 V, 200 V	_		54	•		•	•	_	_		
ĕ	_						200 V or less	_		64			_	_	-	Relay,		
an				2-wire		12 V	_	_	C73C		•	_	•	•	•	_		— PIĆ
Reed auto switch			2		'		24 V or less	_	C80C	_	•	_	•	•	•	_	IC circuit	
2		Terminal						_	A		_	느	_	=		_		
		conduit	Yes				100 V, 200 V	_	A		_	_	_	_	•	_	_	
		DIN terminal	>				.00 1,200 1	_	A		_	_	=	_	•	_		
	Diagnostic indication (2-color indicator)	Grommet				_	<u> </u>	_	B5	9W	•	$\vdash$		<u>l — </u>	<u> </u>	_		

- \*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.
- Consult with SMC regarding water resistant types with the above model numbers.
- \*2 1 m type lead wire is only applicable to D-A93
- \* Lead wire length symbols: 0.5 m......Nii (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.

  \* D-A9□V/M9□V/M9□WV/D-M9□A(V) types cannot be mounted.
- \* Do not indicate suffix "N" for no lead wire on D-A3□/A44/G39/K39 models.
- \* For details about auto switches with pre-wired connector, refer to pages 1014 and 1015
- \* D-A9□/M9□/M auto switches are shipped together (not assembled). (Only auto switch mounting brackets are assembled before shipped.)



D-□ -X□

# RHC Series



#### Symbol



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## Made to Order (Refer to pages 1069 to 1262 for details.)

Cymbon	Opecinication
-XC3	Special port location*
-XC6	Made of stainless steel
-XC93	Water resistance + Stable lubrication function**

<sup>\*</sup> ø20 to ø40 only \*\* ø32, ø40 only

## **Specifications**

Bore size (mm)	20	25	32	40	50	63	80	100	
Fluid	Air								
Proof pressure	1.5 MPa								
Maximum operating pressure	1.0 MPa								
Minimum operating pressure				0.05	МРа				
Ambient and fluid temperature	-10 to 60°C (No freezing)								
Piston speed	50 to 3000 mm/s								
Cushion	Air cushion								
Maximum energy absorption (J)	7	12	21	33	47	84	127	196	
Effective cushioning stroke (mm)	80	80	80	80	80	80	80	80	
Lubrication	Not required (Non-lube)								
Stroke length tolerance	Up to 1000 st: *1.4, 1001 to 1500 st: *1.8								
Mounting	Basic type, Axial foot type, Rod/Head side flange type								

#### Stroke

			(11111)
Bore size (mm)	Minimum stroke (Recommended) (1)	Standard stroke (2)	Max. stroke
20	250	up to 700	1500
25	250	up to 700	1500
32	250	up to 1000	1500
40	250	up to 1000	1500
50	250	up to 1200	1500
63	250	up to 1200	1500
80	250	up to 1400	1500
100	250	up to 1500	1500

Note 1) Strokes shorter than the recommended minimum stroke (1 to 249 st) can be manufactured, but cushion capability may not be satisfied since the effective cushion stroke for this cylinder is long. Note 2) Stroke exceeding the standard stroke length is not subject to the guarantee.

## Mounting Bracket Part No.

Mounting	۵.	Bore size (mm)								Description	
bracket	Qty.	20	25	32	40	50	63	80	100	Description	
Axial foot	Note) 2	RHC-L020	RHC-L025	RHC-L032	RHC-L040	RHC-L050	RHC-L063	RHC-L080	RHC-L100	ø20 to ø40 : Foot x 2, Mounting nut x 1 ø50 to ø100: Foot x 2, Bracket mounting bolt x 8, Spring washer x 8	
Flange	1	RHC-F020	RHC-F025	RHC-F032	RHC-F040	RHC-F050	RHC-F063	RHC-F080	RHC-F100	ø20 to ø40 : Flange x 1 ø50 to ø100: Flange x 1, Bracket mounting bolt x 4, Spring washer x 4	

Note) Order 2 foot brackets for a cylinder.

