

High Power Cylinder Series RHC

∅20, ∅25, ∅32, ∅40, ∅50, ∅63, ∅80, ∅100

How to Order

High Power Cylinder RHC B 20 - - M9BW - -

High power cylinder

Mounting style

B	Basic style
L	Axial foot style
F	Rod side flange style
G	Head side flange style

Bore size

20	20mm
25	25mm
32	32mm
40	40mm
50	50mm
63	63mm
80	80mm
100	100mm

Port type

Nil	Rc
TN	NPT

Made to Order
Refer to page 1202 for details.

Number of auto switches

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

Auto switch

Nil	Without auto switch (Built-in magnet)
-----	---------------------------------------

* For the applicable auto switch model, refer to the table below.

Cylinder stroke (mm)
* Refer to page 1202 for standard strokes.

Applicable Auto Switch/Refer to pages 1719 to 1827 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	Applicable bore size (mm) ∅20 to ∅63 ∅80, ∅100		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)					
Solid state switch	—	Grommet	—	3-wire (NPN)	5V, 12V	—	M9N	—	●	●	●	○	—	○	IC circuit			
				3-wire (PNP)			—	G59	—	●	—	●	○	—		○		
		Connector		2-wire	12V	—	M9P	—	●	●	●	○	—	○		—		
				—	—	M9B	—	●	●	●	○	—	○					
	Diagnostic indication (2-color indication)	Grommet	Yes	3-wire (NPN)	24V	—	M9NW	—	●	●	●	○	—	○	IC circuit			
							—	G59W	—	●	—	●	○	—		○		
					3-wire (PNP)	5V, 12V	—	M9PW	—	●	●	●	○	—	○	—		
		2-wire		12V	—	M9BW	—	●	●	○	—	○						
				—	—	H7C	—	●	—	●	●	—	—					
				—	—	H7BA	G5BA	—	—	●	○	—	○					
Water resistant (2-color indication)	Grommet	Yes	4-wire (NPN)	5V, 12V	—	H7NF	G59F	●	—	●	○	—	○	IC circuit				
With diagnostic output (2-color indication)						—	A96	—	●	—	●	—	—	—	IC circuit	—		
Reed switch	—	Grommet	Yes/No/Yes/No/Yes/No/Yes/No/Yes/No	3-wire (NPN equivalent)	24V	12V	—	100V	A93	—	●	—	●	—	—	IC circuit		
							—	100 V or less	A90	—	●	—	●	—	—		—	IC circuit
							—	100V, 200V	B54		●	—	●	●	—		—	
							—	200 V or less	B64		●	—	●	—	—		—	
		Connector		2-wire	24 V or less	C73C	—	●	—	●	●	●	—	—	IC circuit			
					—	C80C	—	●	—	●	●	●	—	—				
		Terminal conduit		—	—	—	—	—	—	A33	—	—	—	—	●	—	—	
										A34	—	—	—	—	—	●		—
		DIN terminal		—	—	—	—	—	—	A44	—	—	—	—	●	—	—	
										B59W	—	●	—	●	—	—		—
Diagnostic indication (2-color indication)	Grommet	Yes	—	—	—	—	—	—	—	—	—	—	—	—	Relay, PLC			

* 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
 None..... N (Example) H7CN

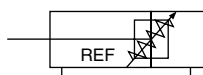
* Solid state auto switches marked with "○" are produced upon receipt of order.
 * D-A9□V/M9□V/M9□WV/D-M9□A(V)L types cannot be mounted.
 * Do not indicate suffix "N" for no lead wire on D-A3□/A44/G39/K39 models.

* Since there are other applicable auto switches than listed, refer to page 1214 for details.
 * For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.
 * D-A9□/M9□/M9□W auto switches are shipped together (not assembled). (Only auto switch mounting brackets are assembled before shipped.)

Series RHC



JIS Symbol



Made to Order
(Refer to page 1882 for details.)

Symbol	Specification
-XC6	Made of stainless steel

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 MPa							
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: $^{+1.4}_0$, 1001 to 1500 st: $^{+1.8}_0$							
Mounting	Basic style, Axial foot style, Rod/Head side flange style							

Stroke

Bore size (mm)	Minimum stroke (Recommended) ⁽¹⁾	Standard stroke ⁽²⁾	Max. stroke (mm)
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 bracket	Qty.	Bore size (mm)								Description
		20	25	32	40	50	63	80	100	
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.