

Rotary Clamp Cylinder: Double Guide Type

MK2T Series

ø20, ø25, ø32, ø40, ø50, ø63

How to Order

MK2TB 20 - **10** **R** **N** - **M9BW** -

Rotary clamp cylinder
Double guide type

Mounting bracket

B	Through-hole/Both ends tapped common (Standard)
G	Head end flange

* Mounting bracket is included, (but not assembled).

Bore size

20	20 mm	40	40 mm
25	25 mm	50	50 mm
32	32 mm	63	63 mm

Cylinder port

NII	M thread	ø20, ø25
	Rc	
TN	NPT	ø32 to ø63
	G	
TF	G	

Clamp stroke

Symbol	Clamp stroke	Applicable bore size
10	10 mm	ø20 to ø40
20	20 mm	ø20 to ø63
50	50 mm	ø50 to ø63

Number of auto switches

NII	2 pcs.
S	1 pc.

Auto switch type

NII	Without auto switch (Built-in magnet)
N	With arm

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

Body option

NII	Standard (Female thread)
N	With arm

* Arms are included when shipped, (but not assembled).

Made to Order
(Refer to page 407.)

Rotary direction
(Unclamp → Clamp)

R	Clockwise
L	Counterclockwise

Applicable Auto Switches

Refer to pages 941 to 1067 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	Perpendicular ø20, ø25 ø32 to ø63	In-line ø20, ø25 ø32 to ø63	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)				
Solid state auto switch	—	Grommet	—	3-wire (NPN)	5 V, 12 V	—	—	M9NV	M9N	●	●	○	○	○	IC circuit	Relay, PLC	
				3-wire (PNP)				M9PV	M9P	●	—	○	○	○			
		Connector	2-wire	12 V	M9BV	M9B	●	—	○	○	○						
			—	—	J79C	—	●	—	○	○	○						
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	5 V, 12 V	—	—	M9NwV	M9Nw	●	●	○	○	○	IC circuit		
				3-wire (PNP)	12 V			M9PwV	M9Pw	●	●	○	○	○			
		Grommet	—	3-wire (NPN)	5 V, 12 V	M9NAV *1	M9NA *1	○	○	●	●	○	○	IC circuit			
				3-wire (PNP)	12 V	M9PAV *1	M9PA *1	○	○	○	○	●	●				
		Connector	—	2-wire	12 V	M9BAV *1	M9BA *1	○	○	○	○	○	○	○			
				4-wire	5 V, 12 V	—	F79F	●	—	○	○	○	○	○			
Magnetic field resistant (2-color indicator)	—	—	2-wire (No polarity)	—	—	—	P3DWA **	—	—	●	●	●	●	○			
—	—	—	—	—	—	—	P4DW **	—	—	●	●	●	●	○			
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	5 V	—	—	A96V	A96	●	—	●	—	—	IC circuit	Relay, PLC	
				—				200 V	—	A72	—	A72H	●	—	●		—
		Connector	No	2-wire	12 V	100 V	A93V *2	A93	●	●	●	●	—	—			
				5 V, 12 V	100 V or less	A90V	A90	●	—	●	—	—	—	IC circuit			
	Grommet	Yes	2-wire	12 V	—	A73C	—	—	—	—	●	—	●	●	●		—
			5 V, 12 V	24 V or less	A80C	—	—	—	—	—	●	—	●	●	●		—
			2-wire	—	—	A79W	—	—	—	—	●	—	●	—	—		—
			—	—	—	—	—	—	—	—	●	—	●	—	—		—

*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 Nil (Example) M9NV
1 m M (Example) M9NwM
3 m L (Example) M9NwL
5 m Z (Example) M9NwZ
None N (Example) J79CN

* Solid state auto switches marked with "○" are produced upon receipt of order.

** For D-P4DW, ø40 to ø63 are available.

** Only D-P4DW type is assembled at the time of shipment.

*** The D-P3DWA□ is mountable on bore size ø25 to ø63.

* Since there are other applicable auto switches than listed, refer to page 413 for details.

* For details about auto switches with pre-wired connector, refer to pages 1014 and 1015.

* When D-M9□(V)/M9□W(V)/M9□A(V)/A9□(V) types with ø32 to ø50 are mounted on a side other than the port side, order auto switch mounting brackets separately. Refer to page 414 for details.

* Auto switches are shipped together (not assembled).