

# Compact Guide Cylinder Series *MGQ*

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100

## How to Order

**Compact Guide Cylinder** **MGQ** **M** **25** **—** **30** **—** **M9BW** **—** **—**

• **Compact Guide Cylinder**

• **Bearing type**

<b>M</b>	Slide bearing
<b>L</b>	Ball bushing bearing

• **Bore size**

<b>12</b>	12 mm	<b>40</b>	40 mm
<b>16</b>	16 mm	<b>50</b>	50 mm
<b>20</b>	20 mm	<b>63</b>	63 mm
<b>25</b>	25 mm	<b>80</b>	80 mm
<b>32</b>	32 mm	<b>100</b>	100 mm

• **Thread type**

<b>Nil</b>	M5 x 0.8	ø12, ø16
	Rc	
<b>TN</b>	NPT	ø20 to ø100
<b>TF</b>	G	

• **Cylinder stroke (mm)**  
Refer to "Standard Stroke" on page 339.

• **Auto switch**

<b>Nil</b>	Without auto switch (Built-in magnet)
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\* For the applicable auto switch model, refer to the table below.

• **Number of auto switches**

<b>Nil</b>	2 pcs.
<b>S</b>	1 pc.
<b>n</b>	n pcs.

• **Made to Order**  
(Refer to page 339 for details.)

## 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	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)				5 (Z)
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24V	5V, 12V	—	<b>M9NV</b>	<b>M9N</b>	●	●	●	○	○	IC circuit	Relay, PLC
	3-wire (PNP)			<b>M9PV</b>				<b>M9P</b>	●	●	●	○	○			
	2-wire			5V, 12V		<b>M9BV</b>		<b>M9B</b>	●	●	●	○	○	IC circuit		
	3-wire (NPN)					<b>M9NWV</b>		<b>M9NW</b>	●	●	●	○	○			
	3-wire (PNP)					<b>M9PWV</b>		<b>M9PW</b>	●	●	●	○	○			
	2-wire					<b>M9BWV</b>		<b>M9BW</b>	●	●	●	○	○			
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5V	—	<b>A96V</b>	<b>A96</b>	●	—	●	—	—	IC circuit	—
			No	2-wire	24V	12V	100V	<b>A93V</b>	<b>A93</b>	●	—	●	—	—	—	Relay, PLC
							100 V or less	<b>A90V</b>	<b>A90</b>	●	—	●	—	—	IC circuit	

\* Lead wire length symbols: 0.5 m ..... Nil (Example) M9NW  
 1 m ..... M (Example) M9NWM  
 3 m ..... L (Example) M9NWL  
 5 m ..... Z (Example) M9NWLZ

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

\* Since there are other applicable auto switches than listed, refer to page 351 for details.  
 \* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.  
 \* Auto switches are shipped together (not assembled).