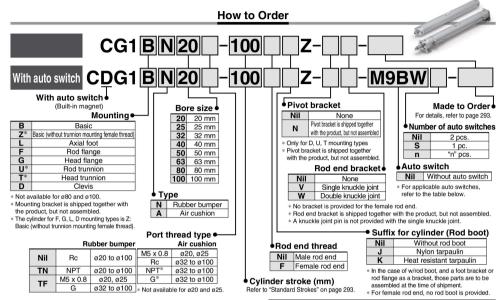
## Air Cylinder: Standard Type Double Acting, Single Rod

CG1 Series

RoHS

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



\* Refer to "Ordering Example of Cylinder Assembly" on page 294.

Applicable Auto Switches/Refer to pages 1575 to 1701 for further information on auto switches

	plicable Auto		tle,		_			Au	to switch mod	del	100	d wir	o lon	ath	(m)			
Туре	Special function	Electrical entry	Indicator li	Wiring	Load voltage			Applicable bore size								Pre-wired	Applicable	
				(Output)	DC		AC	ø20 to ø63		ø80, ø100	0.5 1		3			connector	load	
								Perpendicular	In-line	In-line	(Nil)	(M)	(L)	(Z)	(N)			
Solid state auto switch		Grommet	Yes-	3-wire (NPN)				M9NV	M9N	_	•	•	•	0	<u> </u>	0		
				3-wire (PNP)	- 24 V	5 V, 12 V		_		G59	•	$\bullet$ $ \bullet$ $\circ$ $ \circ$	IC					
								M9PV	M9P	_	•	•	•	0	<b> </b> -	0	circuit	Relay,
				3-WITE (FINE)				_	_	G5P	•	-	•	0	<b> </b> —	0		
								M9BV	M9B	_	•	•	•	0	_	0		
				2-wire				_	_	K59	•	-	•	0	<b> </b> —	0	_	
		Connector						_	H7C	_	•	-	•	•	•	_		
	Diagnostic indication (2-color indicator)	Grommet		3-wire (NPN)		5 V, 12 V 12 V 5 V, 12 V		M9NWV	M9NW	_	•	•		0	I-	0		
								_	_	G59W	•	1-	•	0	I —	0	IC	
				3-wire (PNP)				M9PWV	M9PW	_	•	•	•	0	I-	0	circuit	
				3-wire (PINP)				_	_	G5PW	•	1-	•	0	I-	0	]	
				2-wire				M9BWV	M9BW	_	•	•	•	0	I —	0		
				2-wire				_	_	K59W	•	1-	•	0	I —	0	-	
	Water resistant (2-color indicator)			3-wire (NPN)				M9NAV*1	M9NA*1	_	0	0	•	0	<b> </b> —	0	IC	
				3-wire (PNP)				M9PAV*1	M9PA*1	_	0	0	•	0	_	0	circuit	
				0		40.1/	1	M9BAV*1	M9BA*1	_	0	0	•	0	<b> </b> -	0		
				2-wire		12 V 5 V, 12 V		_	_	G5BA*1	-	_	•	0	_	0 -	1 —	
	With diagnostic output (2-color indicator)			4-wire (NPN)				_	H7NF	G59F	•	1-	•	0	<b> </b> —	0	IC circuit	
_	_	Grommet	Yes	3-wire (Equiv. to NPN)	_	5 V	_	A96V	A96	_	•	-	•	_	_	_	IC circuit	_
Reed auto switch					24 V	12 V	100 V	A93V*2	A93	_	•	•	•	•	<b> </b> —	_	IC circuit	
				2-wire			100 V or less	A90V	A90	_	•	_	•	_	_	_		1
							100 V, 200 V	_	B54 B64		•	1-	•	•	<b> </b> -	_		Relay,
							200 V or less	_			•	-	•	_	<b>I</b> —	_	1 —	
		Connector	Yes				_	_	C73C	_	•	1-	•	•	•	_	IC circuit	
			No				24 V or less	_	C80C	_	•	1-	•	•	•	_		
Œ		Grommet					_	_	B59W		•	1-	•	_	1	_	_	1

- \*1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance
- A water-resistant type cylinder is recommended for use in an environment which requires water resistance. However, please contact SMC for water-resistant cylinder of ø20 and ø25. \*21 m type lead wire is only applicable to D-A93.
- \*2 i m type lead wire is only applicable to D-A93.

  \* Lead wire length symbols: 0.5 m...... Nil (Example) M9NW
  - 1 m----- M (Example) M9NWM 3 m----- L (Example) M9NWI
- 5 m····· Z (Example) M9NW None···· N (Example) H7CN
- \* Solid state auto switches marked with "O" are produced upon receipt of order.
- \* Since there are other applicable auto switches than listed above, refer to page 361 for details.
- \* For details about auto switches with pre-wired connector, refer to pages 1648 and 1649.
- \* The D-A9 \( \text{\te}\text{