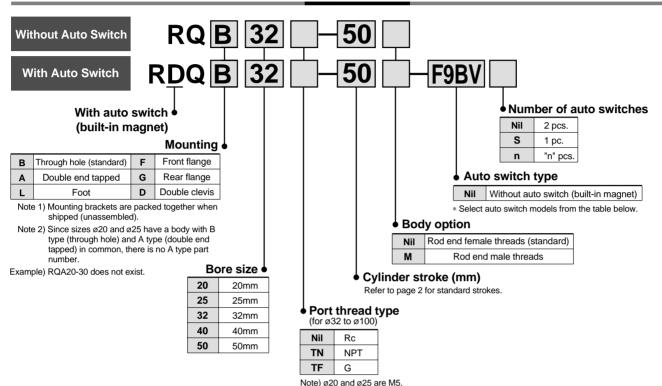
Compact Cylinder with Air Cushion Double Acting: Single Rod

Series RQ Ø20, Ø25, Ø32, Ø40, Ø50

How to Order



Auto switch specifications/Refer to pages 11 through 14 for detailed specifications of auto switch units.

		•																				
				ioh		Wiring (output)		Load voltage		Rail mount		Direct mount		Lead wire length (m)*								
Туре	Special function	Electrical	Indicator	DC AC				ø32 to ø50		ø20 to ø50		0.5	3			Applicabl						
		entry		,		DC		Perpendicular	In-line	Perpendicular	In-line	(Nil)	(L)	(Z)	(N)	load						
	_			3 wire (NPN equiv.)	_	5V	_		A76H	A96V	A96	•	•	_	_	IC circuit	_					
					—	_	200V	A72	A72H	_	_	•	•	_	_							
Reed switch		Grommet				401/	1001/	A73	A73H		_	•	•	•	_	_						
SW				2	24V	12V	100V	_	_	A93V	A93	•	•	_	_	_	D - I					
ed			No			5V, 12V	100V or less	A80	A80H	A90V	A90	•	•	_	_	IC circuit	Relay, PLC					
ĕ		Cannastas	Yes No			12V	_	A73C	_		_	•	•	•	•	_						
		Connector				5V, 12V	24V or less	A80C	_		_	•	•	•	•	IC circuit						
	Diagnostic indication (2 color indicator)	Grommet	Yes				_	_	A79W	_		_	•	•	_	_	_					
Solid state switch	Grou	Grommet		met	3 wire (NPN)		EV 40V	12V	F7NV	F79	F9NV	F9N	•	•	0	_	— IC circuit					
			Grommet		3 wire (PNP)		5V, 12V			F7PV	F7P	F9PV	F9P	•	•	0	_	IC CITCUIL				
						2 wire	12V	12V		F7BV	J79	F9BV	F9B	•	•	0	_	_				
		Connecto						J79C		_	_	•	•	•	•	,						
	Diagnostic indication (2 color indicator) Grommet		Yes 3 wire (NPN) 24	24V		F7NWV	F79W	F9NWV	F9NW	•	•	0	_	10	Relay, PLC							
		(2 color			3 wire (PNP)		50, 120	5V, 12V	ον, IZV	5v, 12V	JV, 12V	Z V	_	F7PW	F9PWV	F9PW	•	•	0	_	IC circuit	
						1	F7BWV	J79W	F9BWV	F9BW	•	•	0	_								
	Water resistant (2 color indicator)	1	3	2 wire		12V	12V		F7BA		F9BA	_	•	0	_							
	With timer				3 wire (NPN)		E) / 40) /		_	F7NT		_	_	•	0	_	10 ~	1				
	With diagnostic output (2 color indicator)					4 wire		5V, 12V		_	F79F			•	•	0	_	IC circuit				
	Latch type with diagnostic output (2 color indicator)			4 wire (NPN)	_		_	F7LF	_	_	•	•	0	_	_							

Bracket part numbers

Bore size (mm)	Note 3) Foot	Flange	Double clevis
20	CQS-L020	CQS-F020	CQS-D020
25	CQS-L025	CQS-F025	CQS-D025
32	CQ-L032	CQ-F032	CQ-D032
40	CQ-L040	CQ-F040	CQ-D040
50	CQ-L050	CQ-F050	CQ-D050

- Note 3) When ordering foot brackets, order 2 pieces per cylinder.
- Note 4) The following parts are included with each bracket. Foot/Flange: Body mounting bolts Double clevis: Clevis pins, C type snap
- Note 5) Clevis pins and snap rings are included with the double clevis.

ring for shaft, and body mounting bolts

- * Lead wire length symbols 0.5m Nil (Example) A80C 5m Z (Example) A80CZ 3m L (Example) A80CL None N (Example) A80CN
- \ast Solid state auto switches marked with a "O" are produced upon receipt of order.

Refer to page 4 regarding auto switch mounting bracket part numbers.

Specifications



Туре	Pneumatic (non-lube) type				
Fluid	Air				
Proof pressure	1.5MPa				
Maximum operating pressure	1.0MPa				
Minimum operating pressure	0.05MPa				
Ambient and fluid temperature	Without auto switch: -10°C to 70°C (with no freezing)				
Ambient and haid temperature	With auto switch: -10°C to 60°C (with no freezing)				
Rod end threads	Female threads				
Rod end thread tolerance	JIS class 2				
Stroke length tolerance	+1.0 0				
Mounting	Through hole				
Piston speed	50 to 500mm/s				

Standard Strokes

Bore size (mm)	Standard stroke (mm)
20, 25	15, 20, 25, 30, 40, 50
32, 40	20, 25, 30, 40, 50, 75, 100
50	30, 40, 50, 75, 100

Manufacture of Intermediate Strokes

Method	Special body type					
Ordering	Refer to ordering procedure for standard part numbers.					
Method	Available in stroke increments of 1mm, using a special body for the specified strok					
	Bore size	Stroke range				
Stroke renge	20, 25	16 to 49				
Stroke range	32, 40 21 to 99					
	50	31 to 99				
Example	Part number: RQB32-47 A special tube is manufactured for a 47mm stroke.					

Allowable kinetic energy

Refer to "Selection" on page 22 regarding the allowable kinetic energy.

Effective Cushion Length

Bore size (mm)	20		32		50
Effective cushion length (mm)	5.8	6.1	6.6	6.6	7.1

Theoretical Output

→ OUT IN Unit: N

Dava sina (mm)	Operating	Operating pressure (MPa)					
Bore size (mm)	direction	0.3	0.5	0.7			
20	IN	71	118	165			
20	OUT	94	157	220			
O.F.	IN	113	189	264			
25	OUT	147	245	344			
20	IN	181	302	422			
32	OUT	241	402	563			
40	IN	317	528	739			
40	OUT	377	628	880			
FO	IN	495	825	1150			
50	OUT	589	982	1370			