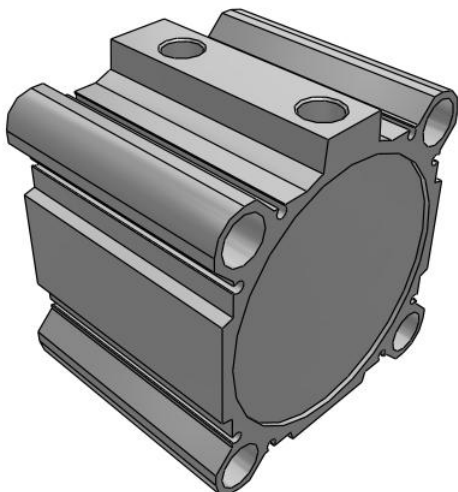




C(D)Q2*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove

CDQ2BS100TF-25DCZ

Datasheet

General Series Information

- Double acting, single rod, compact cylinder
- Bore sizes (mm): 32, 40, 50, 63, 80, 100
- Standard stroke range (mm): 5 to 100
- Port threads: Rc, NPT or G
- Can mount small auto switches on 4 surfaces.



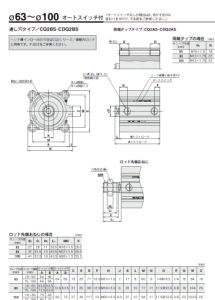
Double-acting, single-rod cylinder

Standard specifications

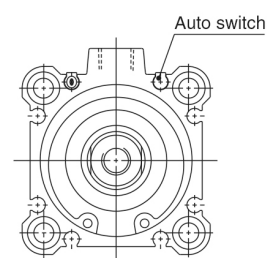
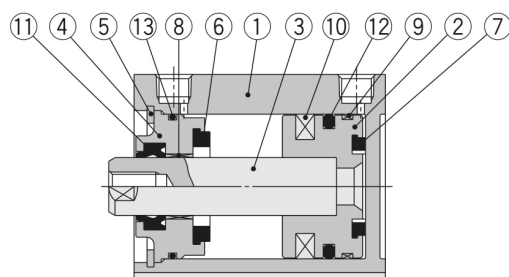
Magnet	D (Built-in)
Mounting	B (Through Hole [Standard])
Bore Size	Ø100 mm
Port Thread Type	TF [G]
Stroke	25
Body Option	C (Rubber Bumper)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5 m or None in the Case of No Switch
Number	2 pcs.
Rod End Options	None
Made of Stainless Steel	None
Fluororubber Seal	None
-	Compressed air
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	-10 °C
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa

Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C
Pneumatic input connection	G 3/8
Theoretical cylinder force, advance stroke (at 0.5 MPa)	3574 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	3927 N
Maximum piston speed	500 mm/s
Male thread of rod end	M26 x 1.5
Female thread of rod end	M20 x 2.5
Minimum piston speed	50 mm/s

Dimensions



Constructions



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Piston	Aluminum alloy	Chromated
3	Piston rod	Carbon steel	Hard chrome plated
4	Collar	Aluminum alloy	Anodised
5	Retaining ring	Carbon tool steel	Phosphate coated
6	Bumper A	Urethane	
7	Bumper B	Urethane	
8	Bushing	Bearing alloy	
9	Wear ring	Resin	
10	Magnet	—	
11	Rod seal	NBR	
12	Piston seal	NBR	
13	Tube gasket	NBR	

Additional information

Catalogue

[CQ2-Z-B_EU.pdf](#)