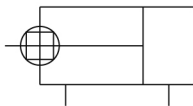


C(D)QSK, Compact Cylinder, Double Acting, Single Rod, Non-rotating configurator

CDQSKB12-10D

Datasheet

The CQS compact cylinder is available for those small bore cylinder applications where saving space is a concern. While sharing many of the outstanding features of the CQ2 series, the CQS offers standard long strokes (up to 300mm) in four bore sizes from 12 to 25mm. Long stroke versions incorporate a wear band and thicker piston to handle the increased bearing needs of the longer strokes. Both switch capable and non-switch capable body styles are the same, and switches can be mounted on three (12-16 bore) and four (20-25 bore) sides. An increased side load version (CQS*S) is available for more demanding applications.



Double-acting cylinder, non-rotating single piston rod

Standard specifications

Magnet	D (Built-in)
Mounting	B (Through Hole, Both Ends Tapped)
Bore Size	12mm
Stroke	10
Option	Standard(Rod End Female Thread)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rod End Options	None
Pressure medium	Air
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.07 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature with magnet	-10 °C
Conform to the European RoHS Directive	Conform
Numero of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	57 N

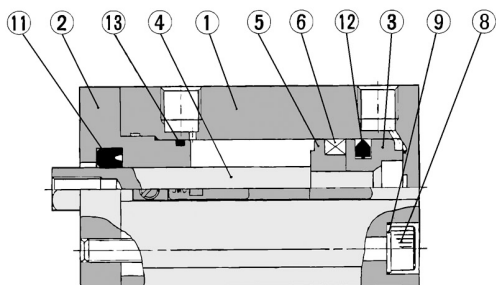
Theoretical cylinder force, return stroke (at 0.5 MPa)	45 N
Maximum piston speed	500 mm/s
Piston rod end	Internal thread
Geometric form of the piston rod	Hexagonal rod
Male thread of rod end	M5
Female thread of rod end	M3
Minimum piston speed	50 mm/s
Lubrication	Non-lube
Weight	0.062 Kg

Dimensions

Constructions

Construction

With auto switch (Built-in magnet)
 ø12



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminium alloy	Hard anodised
2	Rod cover	Aluminium alloy	Anodised
3	Piston	Aluminium alloy	Chromated
4	Piston rod	Stainless steel	
5	Switch spacer	Aluminium alloy	Chromated
6	Magnet		
8	Hex. socket head cap screw	Alloy steel	Nickel plated
9	Plain washer	Rolled steel	Nickel plated
11	Rod seal	NBR	
12	Piston seal	NBR	
13	Tube gasket	NBR	

Additional information

Catalogue

[CQS_EU.pdf](#)