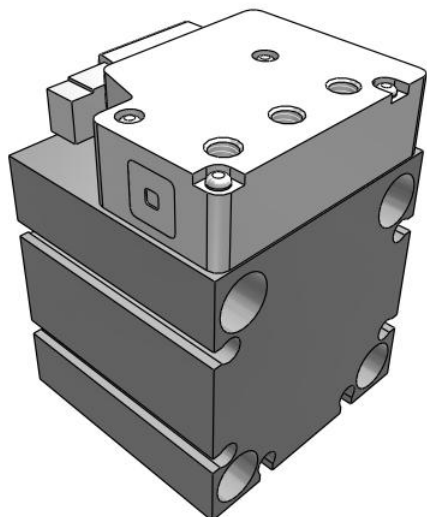


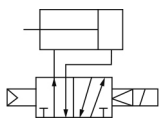


CVQ (ø32), Compact Cylinder with Solenoid Valve CVQB32-5-5MO

Datasheet

General series information

- Space saving.
- Energy saving.
- Labour saving.
- Improved response speed.
- Different piping directions possible.
- Bore size (mm): 32, 40, 50, 63.
- Stroke (mm): 5–100.



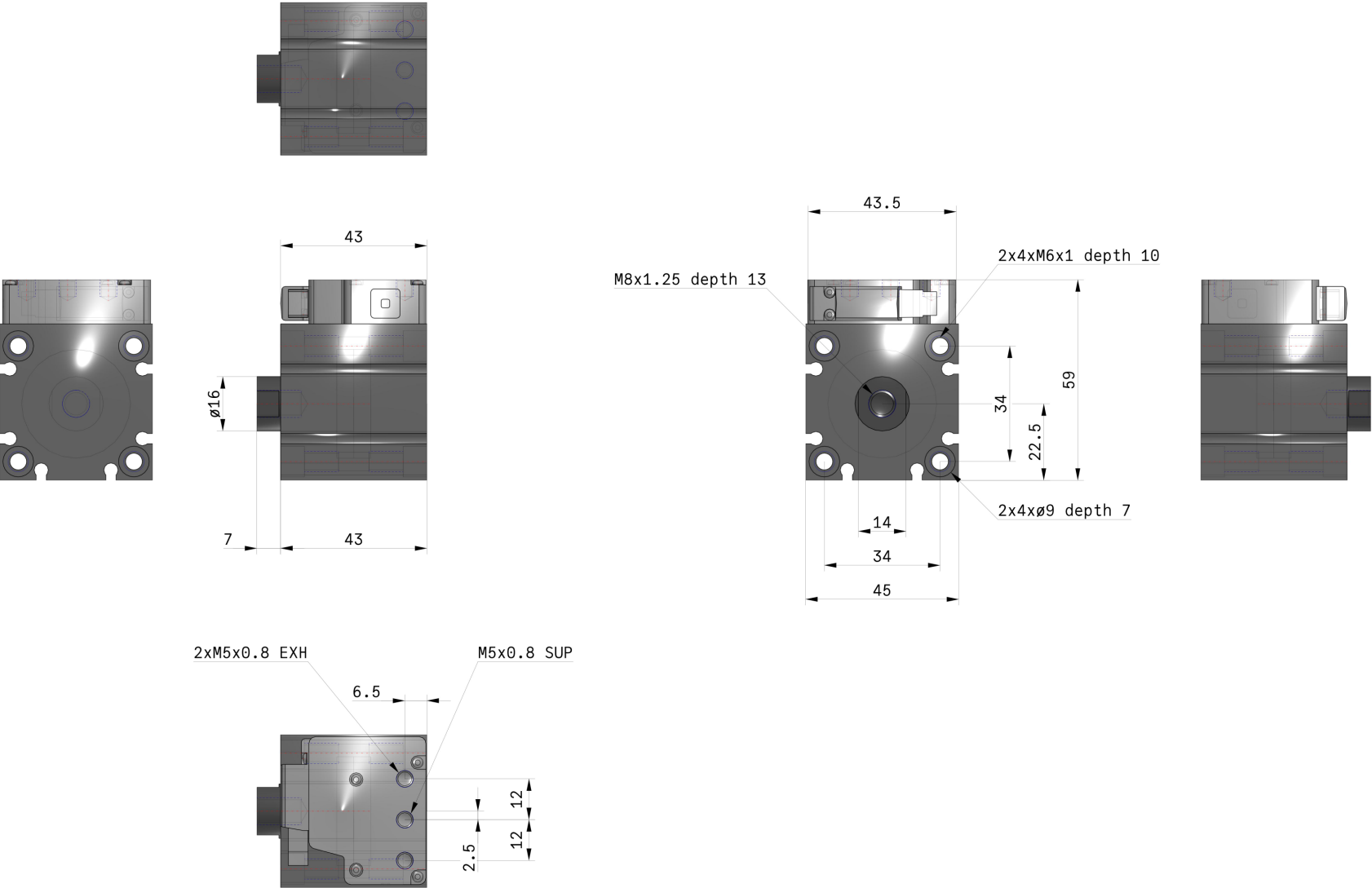
Double acting: single rod compact cylinder with solenoid valve

Standard specifications

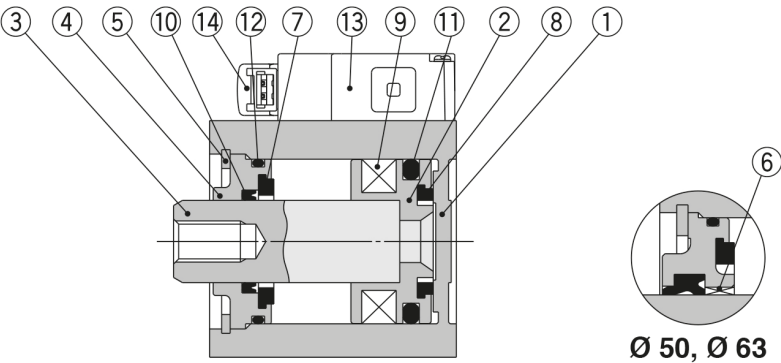
Mounting	B (Through Hole)
Bore Size	32 mm
Stroke	5
Option	Standard (Rod End Female Thread)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rated Voltage	5 (24 VDC)
Electrical Entry	MO (M Plug Connector Without Connector)
Surge Voltage Suppressor	W/O Surge Voltage Suppressor
Manual Override	Non-Locking Push Type
Piping	Standard
Port Thread	Rc (32 & 40 Bore: M5; 50 & 63 Bore Rc)
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.15 MPa
Proof pressure	1.0 MPa

Type of cushioning	Rubber bumper
Actuation type	Double-acting, single-rod
Type of actuation	2 position single
Electrical entry	M-type plug connector
Manual override	Non-looking push type / Locking slotted type
Enclosure	Dustproof
Power Consumption	0.35 (With light: 0.4) W
Fluid	Air (Non-lube)
Rated coil voltage	24/12(VDC)
Allowable voltage range	±10% of the rated voltage
Indicator light	LED
Ambient and fluid temperature	-10 - 50°C
Stroke length tolerance	0 - + 1.0 mm
F449 - Rod_end_thread_tolerance	JIS Class 2
F450 - Mounting	Through-hole / Both ends tapped
Piston speed	50 - 500 mm/s
F454 - Mounting orientation	Unrestricted (based on cylinder mounting orientation)
Pilot exhaust	Main/Pilot valve common exhaust type
Surge voltage suppressor	Diode (Non-polar type: Varistor)

Dimensions

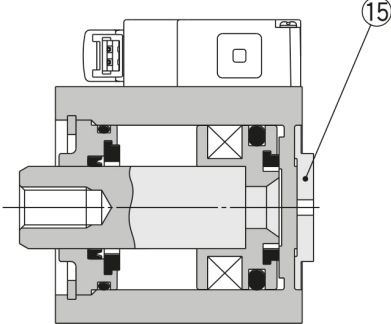


Constructions



Basic Type

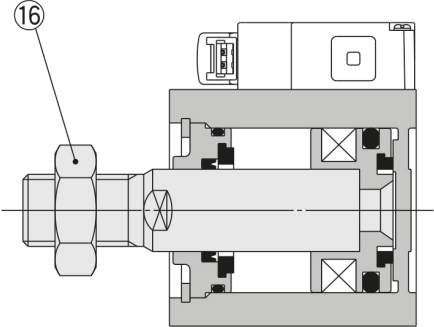
With boss in head end



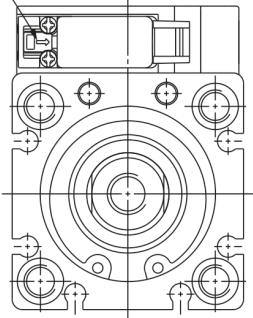
Component Parts

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 casting	Ø 50, Ø 63, chromate coating
		Aluminum alloy	Anodised
5	Retaining ring	Carbon tool steel	Phosphate coated
6	Bushing	Bearing alloy	Ø 50, Ø 63
7	Bumper A	Urethane	
8	Bumper B	Urethane	
9	Magnet	—	
10	Rod seal	NBR	
11	Piston seal	NBR	
12	Gasket	NBR	
13	Solenoid valve	—	
14	Pilot valve	—	
15	Boss ring	Aluminum alloy	Hard anodised
16	Rod end nut	Carbon steel	Nickel plated

Rod end male thread



Manual button



Additional information

Catalogue

[CVQ-B_EU.pdf](#)

Declaration of conformity

[newDoC_CVQx_TF1U012UK.pdf](#)

[newDoC_CVQx_TF1V309EN.pdf](#)

[newDoC_CVQx_TF1U012EN.pdf](#)