

D COMPACT ENCLOSED SWITCH

Features

- High precision and long life.
- Suitable for applications demanding higher mechanical strength,
- Gasket diaphragm seal provides high environmental resistance.



Specifications

Item	Standard
Rating	10A, 125V or 250VAC
Contact Resistance	25mΩ max. (initial)
Insulation Resistance	100MΩ min. (at 500VDC)
Dielectric Strength	1,000VAC, 50/60Hz for 1 minute
Service Life Mechanically:	1,000,000 operations min.
Service Life Electrically	100,000 operations min.

Product Selection

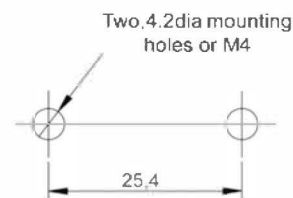
D ☐

1

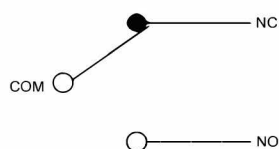
1. HEAD AND ACTUATOR

- 5000: Push plunger type
- 5020: Roller plunger type
- 5040: Cross Roller plunger type
- 1000: Lever type
- 1020: Short Lever type
- 2000: Lever roller type
- 2020: Short Lever roller type

Mounting Hole



Contact Configuration



Unit: mm

Technical drawing of the 2-Port 1/2" NPT Female x 1/2" NPT Male Valve, Model 2000. The drawing includes a side view and a top view. The side view shows a valve body with two ports, a handle, and a mounting bracket. Dimensions include a total height of 69.4 ± 0.8 mm, a body width of 54.8 mm, and a mounting bracket height of 15.8 mm. The top view shows a circular port with a diameter of 20.0 ± 0.8 mm and a mounting bracket with a diameter of 21.5 mm. The valve is labeled with 'M12x1 TAP' and '2-Ø4.3±0.1'.



Technical drawing of the 1000 Series 1/2" (Figure 1000-1). The drawing shows a side view and a front view of the component. Key dimensions and features include:

- Side View Dimensions:**
 - PT (Pitch Thread) dimension from the top of the mounting bracket to the top of the main body.
 - OP (Overall Pitch) dimension from the top of the mounting bracket to the top of the main body.
 - 15.8 dimension from the top of the main body to the top of the mounting bracket.
 - 25.0 dimension from the top of the main body to the top of the mounting bracket.
 - 18.0 ± 0.8 dimension from the top of the main body to the top of the mounting bracket.
 - 14.7 dimension from the center of the mounting bracket to the center of the main body.
 - 25.4 ± 0.15 dimension from the center of the mounting bracket to the center of the main body.
 - 54.8 dimension from the center of the mounting bracket to the center of the main body.
 - 69.4 ± 0.8 dimension from the center of the mounting bracket to the center of the main body.
- Front View Dimensions:**
 - 33.0 dimension from the top of the main body to the top of the mounting bracket.
 - 20.0 ± 0.8 dimension from the center of the mounting bracket to the center of the main body.
 - 21.5 dimension from the center of the mounting bracket to the center of the main body.
- Other Features:**
 - M12x1 TAP (Threaded hole in the mounting bracket).
 - 2-Ø4.3 ± 0.1 (Two holes in the main body).
 - 2.1 ± 0.1 (Dimension from the center of the mounting bracket to the center of the main body).



Technical drawing of the M12x1 TAP assembly, showing front and side views with dimensions.

Front View Dimensions:

- PT (Pitch Thread): Indicated by a dimension line at the top.
- OP (Overall Pitch): Indicated by a dimension line on the left.
- 15.8: Dimension for the upper section of the tap.
- 25.0: Dimension for the lower section of the tap.
- 18.0±0.8: Dimension for the lower section of the tap.
- 2.1±0.1: Dimension for the hole diameter in the lower section.
- 2-0.4.3±0.1: Dimension for the hole diameter in the lower section.
- 14.7: Dimension for the lower section of the tap.
- 25.4±0.15: Dimension for the lower section of the tap.
- 54.8: Dimension for the lower section of the tap.
- 20.1±0.8: Dimension for the lower section of the tap.

Side View Dimensions:

- Ø12.7±0.09: Dimension for the hole diameter in the side view.
- 33.0: Dimension for the side view of the tap.
- 20.0±0.8: Dimension for the side view of the tap.
- 21.5: Dimension for the side view of the tap.



D COMPACT ENCLOSED SWITCH

Operating Characteristics

Unit: mm

Item

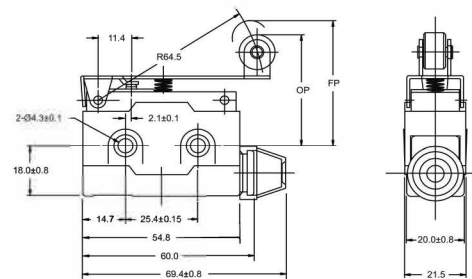
Operating Characteristics

Dimensions

D2000



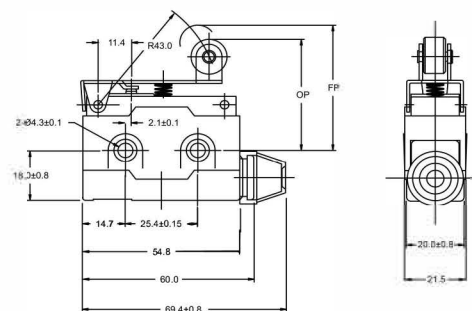
OF max.	195g
RF min.	28g
PT max.	8.5 mm
OT min.	3.2 mm
MD max.	2.6 mm
OP	40 ± 1 mm
FP	50 mm



D2020



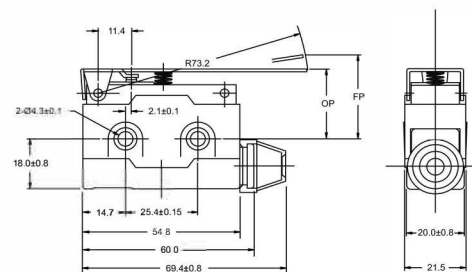
OF max.	300g
RF min.	40g
PT max.	6 mm
OT min.	2 mm
MD max.	1.5 mm
OP	40 ± 1 mm
FP	46 mm



D1000



OF max.	170g
RF min.	25g
PT max.	10 mm
OT min.	4 mm
MD max.	3 mm
OP	25 ± 1 mm
FP	35 mm



D COMPACT ENCLOSED SWITCH

Operating Characteristics

Unit: mm

Item	Operating Characteristics	Dimensions
D1020		



OF max.	260g
RF min.	35g
PT max.	7 mm
OT min.	2.5 mm
MD max.	1.7 mm
OP	25 ± 1 mm
FP	32 mm

