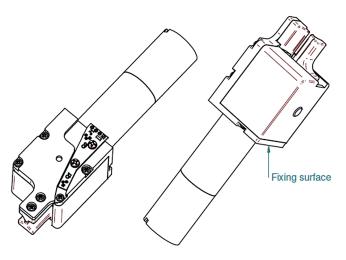


SINGLE PINCH VALVE

COD. 0193700



Single Pinch Valve is a compact bistable low consumption pinch valve with the following characteristics:

- Intended use: to occlude rubber tubing by pinching effect
- Bistable state (no consumption in open and closed position) High Occlusion force provided by springs (high acceptance on tubing variability)
- Opening of the pincher is actuated by a low consumption DC gearmotor.
- Contactless duplicated Hall effect sensors to recognize the closed position of the pincher and the state of the opening actuator
- Ball bearing based opening actuator (high reliability and low friction)

Technical Features

0193700B (12Vdc) Part Number

12÷18 [Vdc] (also available 24÷28 Vdc) *Motor supply voltage*

Maximum allowable tubing diameter 7 [mm], 0.2756 [in] (to verify the occlusion for any case)

Max current consumption (during phase exchange) 400 [mA] peak, 250 [mA] typical

Overall dimensions 32,5x35x127 [mm], 1,28x1,378x5 [in] Wight (with output cable) 190 [g], 0,4189 [lb]

Commutation time (phase to phase) 500 ms (@18Vcc)

Cable length

Closed pincher sensor Honeywell SS443A Hall (unipolar switch)

Actuator state sensor Honeywell SS461A Hall (latch)

Sensors supply voltage 3.8÷30 [Vcc]

Sensors output **Open Collector**

Output connector Molex 5264 – 6 poles (Female)

Connector pinout (1) Motor supply+

(2) Motor supply - $(3) +3.8 \div 30 \text{ V sensors}$

(4) Sensors Gnd

300 [mm], 12 [in]

(5) Actuator state position (6) Closed pincher sensor

UNI EN ISO 13485: 2012

Occlusion force 2.5 mm thick 35N min (40N typ) Life expectance 12x106 cycles (continuos)



