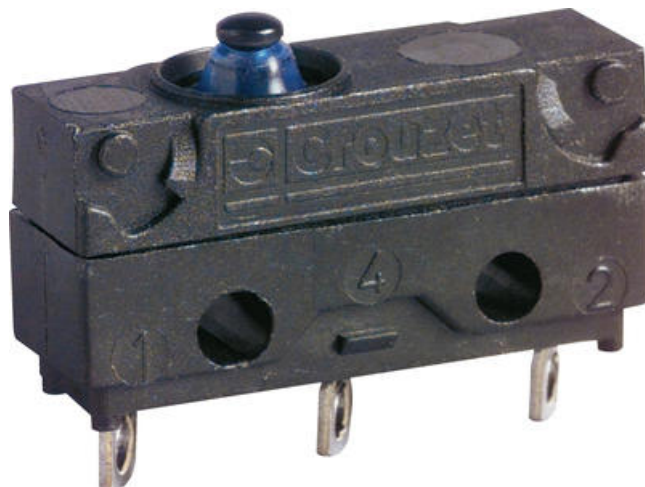


CROUZET SWITCHES - TIGHT V4 IP67

83181001

831810 C/O W2S

- Nominal rated current from 0.1 A to 10 A/250 V ac
- Min. rated current 1 mA/4 V dc
- Two possible control arm installation positions

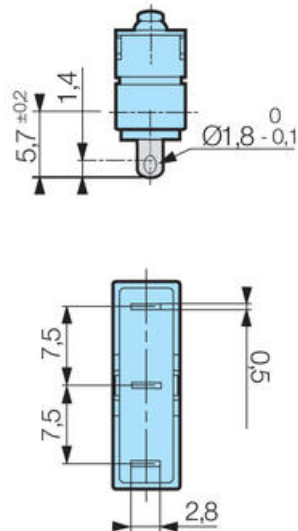


PRODUCT DESCRIPTION

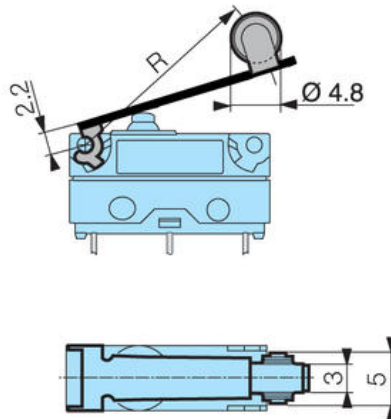
TECHNICAL DATA

Connection	W2S
Contact gap	0,4 mm
Contact type	Changeover (SPDT)
Force of the return movement min	0,8 N
Hysteresis max	0,15 mm
IP class	IP67, IP69
Operating force max	2,5 N
Operating power total max	4,2 N
Overtravel min	0,6 mm
Permissible overvoltage max	10 N
Power min	0,001 A
Rated current at 250 V ac	6 A
Sleep max	9,3 mm
Switching point	8,4±0,3 mm
Temperature operational max	125 °C
Temperature operational min	-40 °C
Thermal current at 250 V ac	7,5 A
Voltage min	4 V

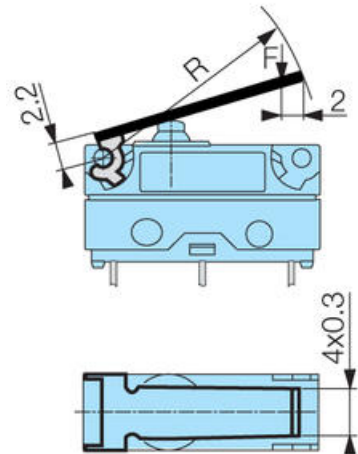
**W2S
Solder**



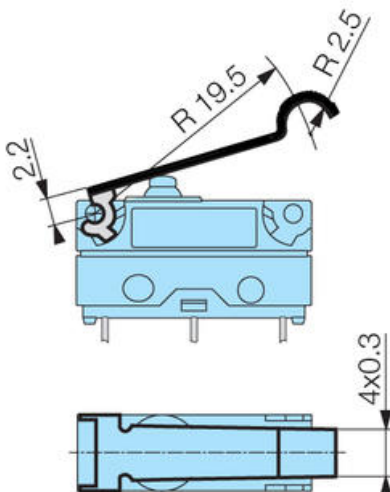
**170 E
Arm with roll**



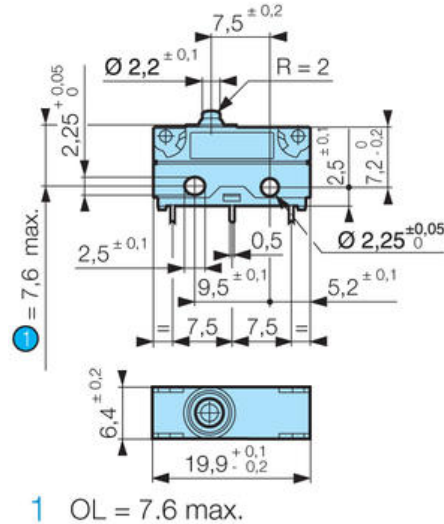
**170 A
Straight-arm**



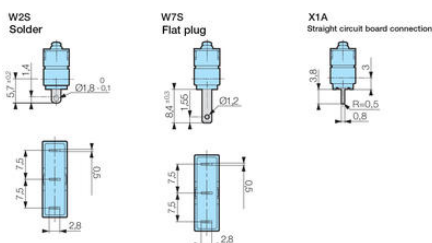
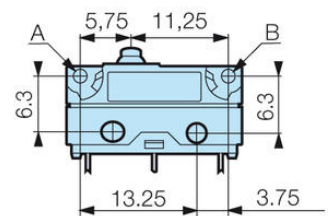
**170 F
Arm with simulated scroll**



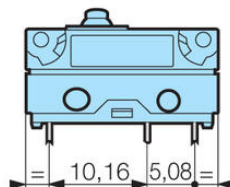
**Symmetric version
type 83 180/181/183/186**



Mounting bracket



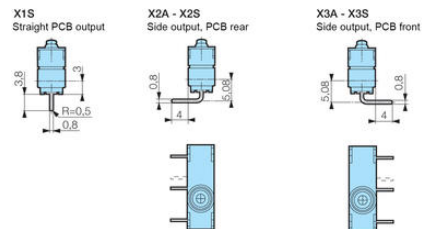
**Asymmetric version
typ 83 180/181/183/186**



Attached with 2 M2 screws
Torque with screw only:
0.2 Nm, with screw + washer: 0.3 Nm

- Cross section:
 $83181 / 83183 / 83186 = 0.5 \text{ mm}^2$
 $83180 = 0.75 \text{ mm}^2$

- Cross section:
 $83181 / 83183 / 83186 = 0.5 \text{ mm}^2$
 $83180 = 0.75 \text{ mm}^2$



The technical drawing illustrates the dimensions of the cable gland assembly. It includes three views: a side view on the left showing a diameter of 6,4; a top view in the center showing a length of 19,9 and a maximum height of 10,8; and a cross-sectional view on the right showing a maximum width of 3,2 max. The assembly consists of a blue housing with a central opening for the cable, secured by a grey locking nut and a grey cable braid.

- Cross section:
 $83181 / 83183 / 83186 = 3 \times 0.5 \text{ mm}^2$

Technical drawing of a mechanical part, showing a top view and a side view. The top view is a rectangle with a central circular feature. Dimensions include: overall width 19.9 ± 0.2, overall height 6.4 ± 0.2, central hole diameter Ø 2.25 ± 0.05, and various internal features with dimensions like 7.5 ± 0.2, 2.25 ± 0.05, 2.5 ± 0.1, 9.5 ± 0.1, 5.2 ± 0.1, 7.2 - 0.3, and R = 2. A note indicates a maximum length of 7.6 max. for a feature marked with a blue circle.

-
- W2S Solderable**
- Side view dimensions: 5.7^{+0.2}, 1.4, 0, $\varnothing 1.8_{-0.1}^0$.
- Top view dimensions: 7.5, 7.5, 2.8, 9.0.
- W7S Connector 2.8 x 0.5**
- Side view dimensions: 8.4^{+0.3}, 1.65, $\varnothing 1.2$.
- Top view dimensions: 7.5, 7.5, 2.8, 9.0.
- X1A Circuit board**
- Side view dimensions: 3.8, 0.1, R=0.5, 0.8.
- Top view dimensions: 7.5, 7.5, 2.8, 9.0.