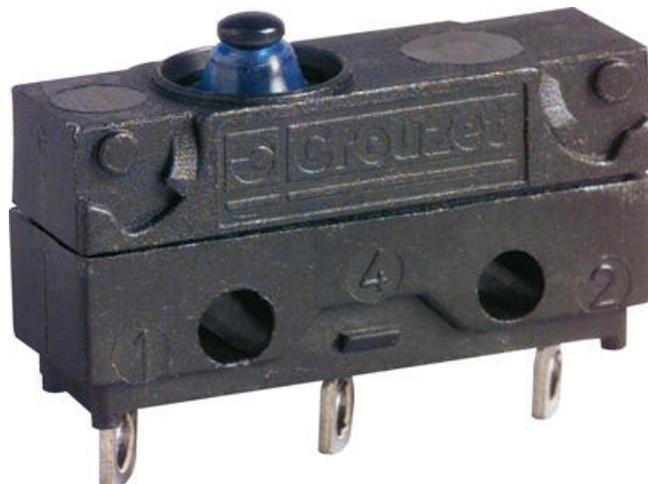


## CROUZET SWITCHES - TIGHT V4 IP67

83186001  
831860 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

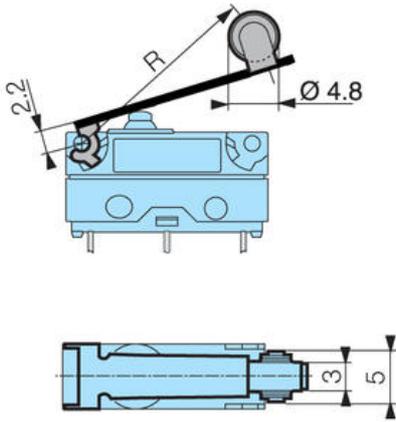


### Product description

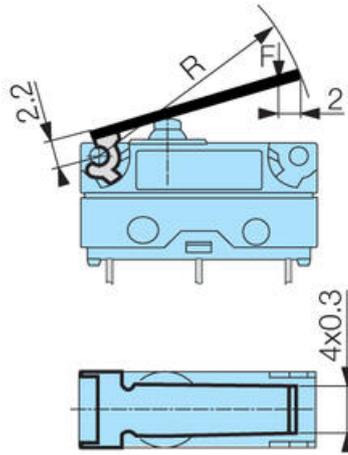
### Specifications

<b>Allowable Operating Force Max</b>	10
<b>Contact Gap</b>	0.4
<b>Hysteresis Max</b>	0.15
<b>IP Class</b>	IP67, IP69
<b>Operating Force Max</b>	2.5
<b>Operating Power Total Max</b>	4.2
<b>Over Movement My</b>	0.6
<b>Rated current at 250 V AC</b>	6
<b>Return Movement Force Min</b>	0.8
<b>Sleep Max</b>	9.3
<b>Switching Point</b>	8,4±0,3 mm
<b>Temperature range from</b>	-40
<b>Temperature range to</b>	125
<b>Thermal current at 250 V AC</b>	7.5

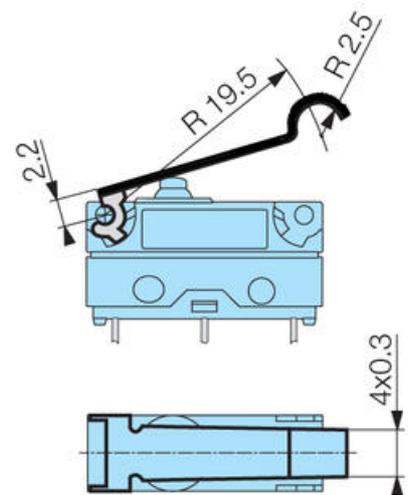
**170 E**  
Arm with roll



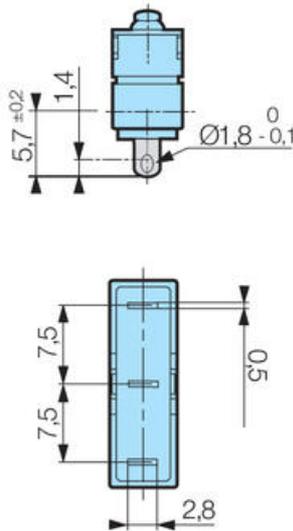
**170 A**  
Straight-arm



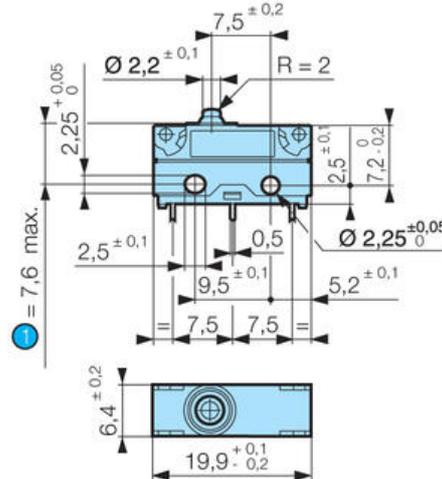
**170 F**  
Arm with simulated scroll



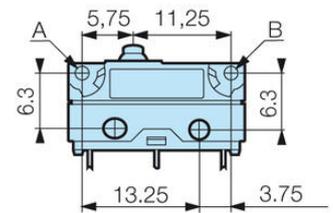
**W2S**  
Solder



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

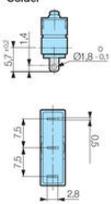


**Mounting bracket**

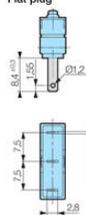


1 OL = 7.6 max.

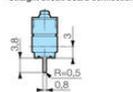
**W2S**



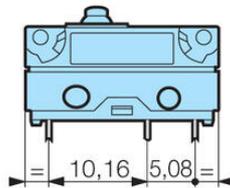
**W7S**



**X1A**

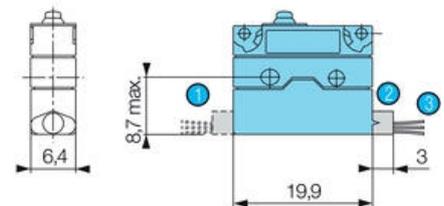


**Asymmetric version**  
typ 83 180/181/183/186



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

**Cable Outputs**

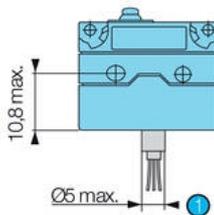


- 1 FG0
- 2 FDO
- 3 Standard 500 mm

Black = Common  
Gray = NC  
Blue = NO

Cross section:  
83181 / 83 183 / 83 186 = 0.5 mm<sup>2</sup>  
83 180 = 0.75 mm<sup>2</sup>

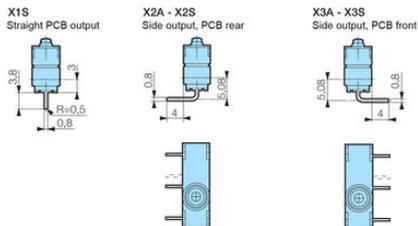
**Cable outlet**  
**B0 cable outlet on the bottom**



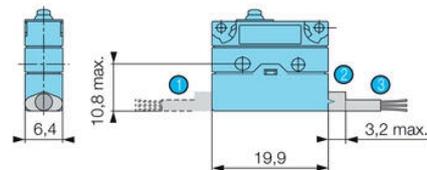
1 Standard 500 mm

Black = Common  
 Gray = NC  
 Blue = NO

Cross section:  
 83181 / 83183 / 83186 = 0.5 mm<sup>2</sup>  
 83180 = 0.75 mm<sup>2</sup>



**Cable Outputs**

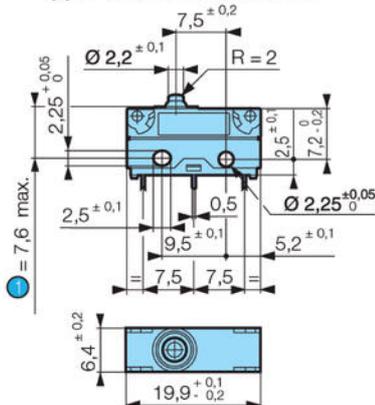


1 CG0  
 2 CD0  
 3 Standard 500 mm

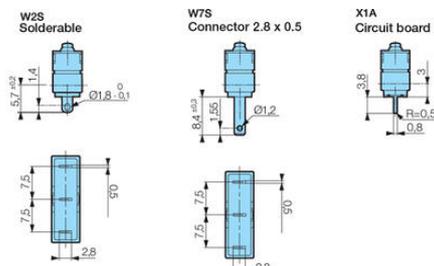
Black = Common  
 Gray = NC  
 Blue = NO

Cross section:  
 83181 / 83183 / 83186 = 3 x 0.5 mm<sup>2</sup>

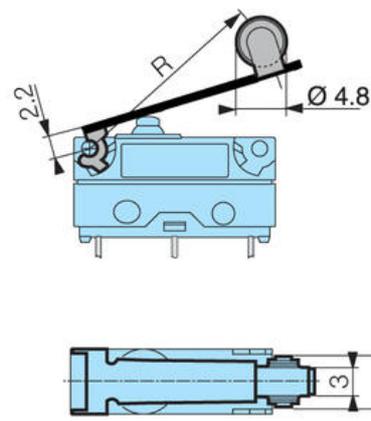
**Symmetric version**  
**type 83180/181/183/186**



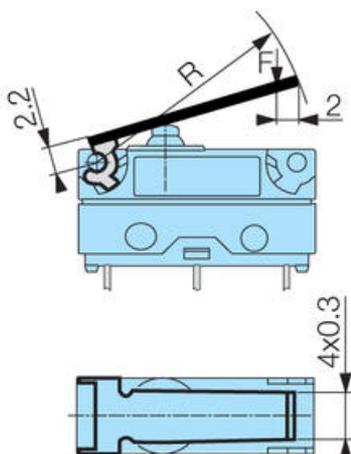
1 OL = 7.6 max.



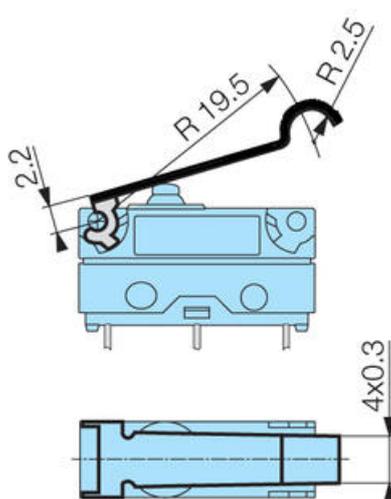
**170 E**  
**Arm with roll**



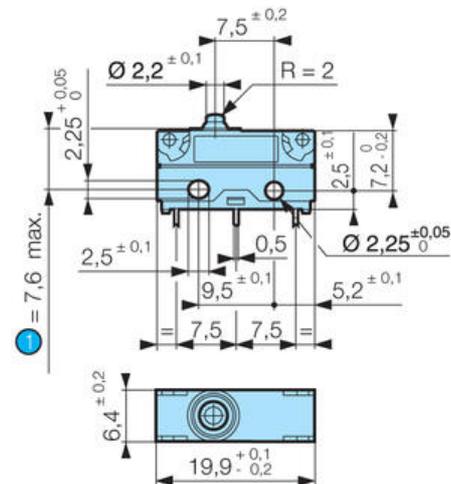
**170 A**  
**Straight-arm**



**170 F**  
**Arm with simulated scroll**

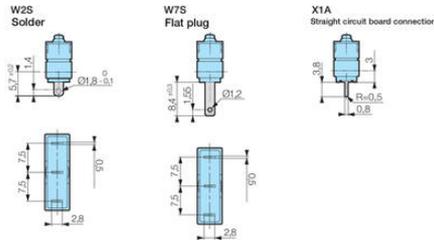
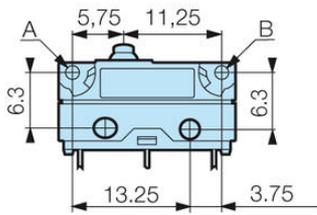


**Symmetric version**  
**type 83180/181/183/186**

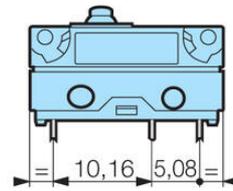


1 OL = 7.6 max.

### Mounting bracket

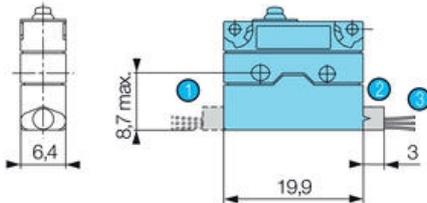


### Asymmetric version typ 83 180/181/183/186



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

### Cable Outputs

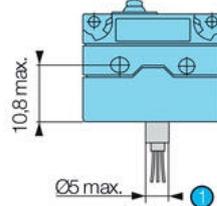


- 1 FG0
- 2 FDO
- 3 Standard 500 mm

Black = Common  
Gray = NC  
Blue = NO

Cross section:  
83181 / 83 183 / 83 186 = 0.5 mm<sup>2</sup>  
83 180 = 0.75 mm<sup>2</sup>

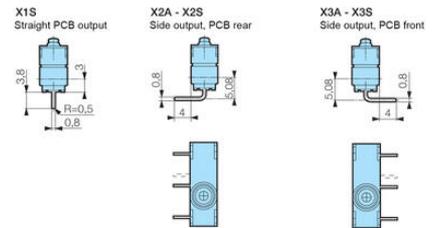
### Cable outlet B0 cable outlet on the bottom



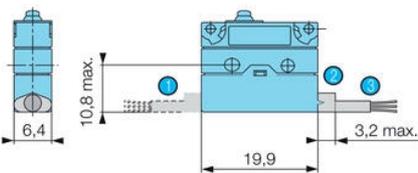
- 1 Standard 500 mm

Black= Common  
Gray = NC  
Blue= NO

Cross section:  
83181 / 83 183 / 83 186 = 0.5 mm<sup>2</sup>  
83 180 = 0.75 mm<sup>2</sup>



### Cable Outputs

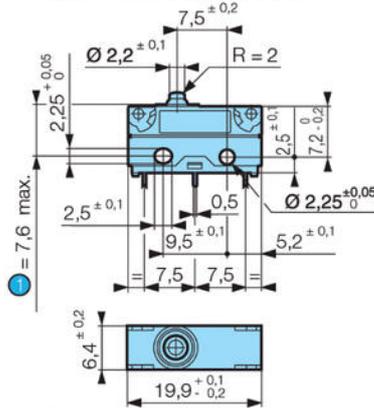


- 1 CG0
- 2 CD0
- 3 Standard 500 mm

Black = Common  
Gray = NC  
Blue = NO

Cross section:  
83181 / 83 183 / 83 186 = 3 x 0.5 mm<sup>2</sup>

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



- 1 OL = 7.6 max.

