

## 8318 (V4S) STANDARD SERIE

Subminiature mikroswitch i forseget DIN-V4-standard

83186001

Mikroswitch V4 IP67 W2S Standard

- 20x10x6 mm
- Koblingsstrøm op til 10 A
- Max. 2.5 N
- Op til 2 mill. cyklusser
- IP67 / IP69



### PRODUKTBESKRIVELSE

En forseget subminiature mikroswitch til applikationer, hvor der stilles krav til beskyttelse mod støv, fugt og vand.

#### Egenskaber

- IP67/IP69
- Koblingsstrøm op til 10 A
- Driftstemperatur: -40 °C til +125 °C
- Mekanisk levetid op til 2 millioner koblinger

#### Typiske anvendelser

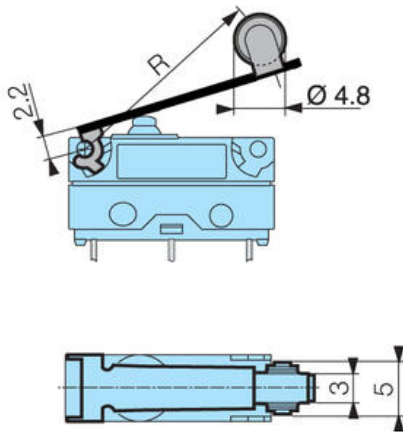
- Udendørs installationer
- Fødevare- og procesindustrien
- Mobile maskiner
- Vaskeanlæg

## SPECIFIKATIONER

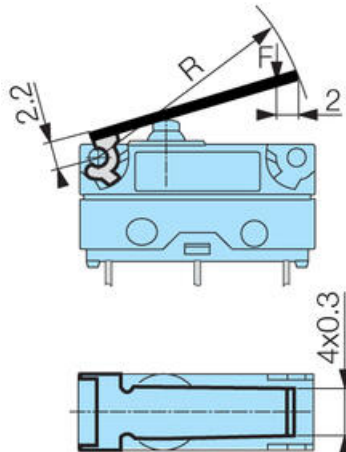
|                               |                   |
|-------------------------------|-------------------|
| Allowable Operating Force Max | 10 N              |
| Contact Gap                   | 0,4 mm            |
| IP-klasse                     | IP67, IP69        |
| Kontakt type                  | Vekslende kontakt |
| Max hysteres                  | 0,15 mm           |
| Operating Force Max           | 2,5 N             |
| Operating Power Total Max     | 4,2 W             |
| Over Movement My              | 0,6 mm            |
| Rated current at 250 V AC     | 6 A               |
| Return Movement Force Min     | 0,8 N             |
| Sleep Max                     | 9,3 mm            |
| Switching Point               | 8,4±0,3 mm        |
| Temperaturområde fra          | -40 °C            |

|                             |        |
|-----------------------------|--------|
| Temperaturområde til        | 125 °C |
| Thermal current at 250 V AC | 7,5 A  |
| Tilslutning                 | W2S    |

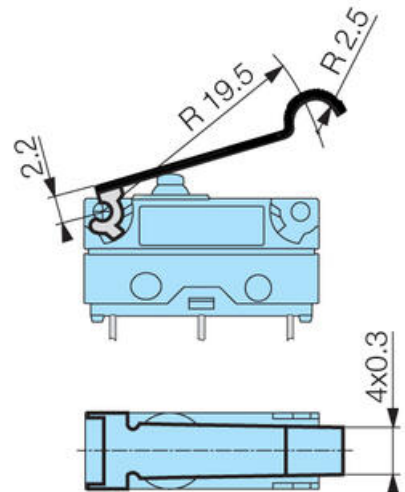
**170 E**  
Arm with roll



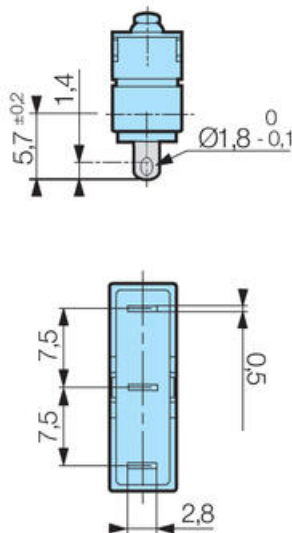
**170 A**  
Straight-arm



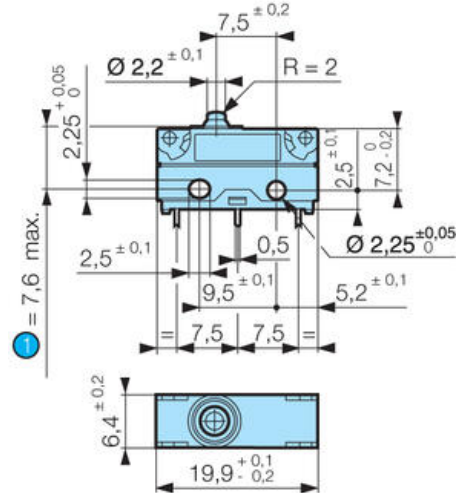
**170 F**  
Arm with simulated scroll



**W2S**  
Solder

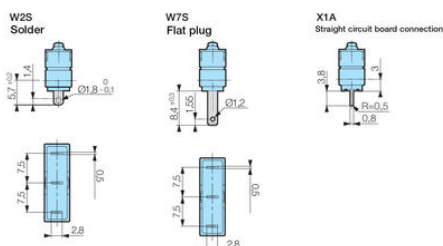
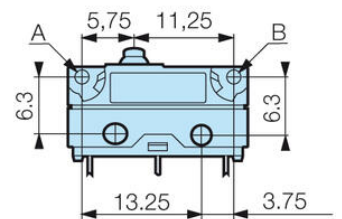


**Symmetric version**  
type 83 180/181/183/186

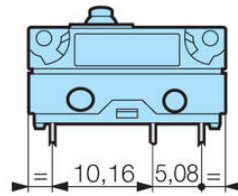


1 OL = 7.6 max.

**Mounting bracket**

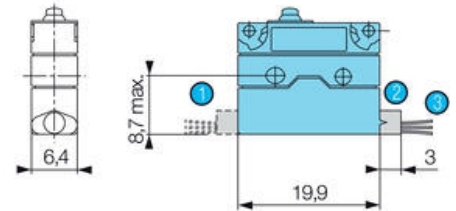


## Asymmetric version typ 83 180/181/183/186



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

## Cable Outputs

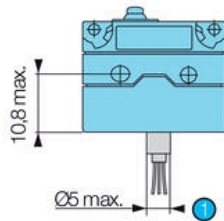


- 1 FG0
- 2 FD0
- 3 Standard 500 mm

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

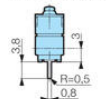


- 1 Standard 500 mm

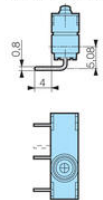
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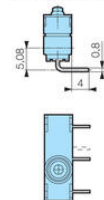
X1S  
Straight PCB output



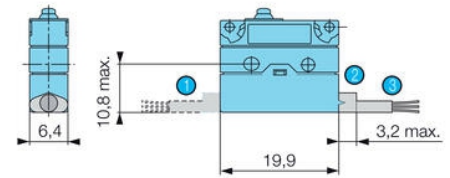
X2A - X2S  
Side output, PCB rear



X3A - X3S  
Side output, PCB front



## Cable Outputs

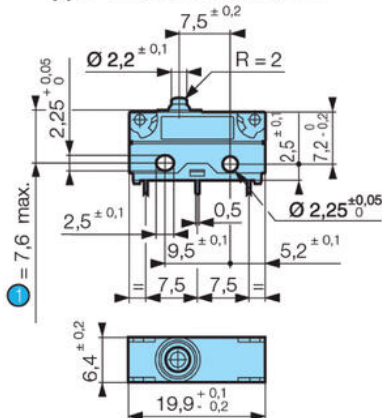


- 1 CG0
- 2 CD0
- 3 Standard 500 mm

Black = Common  
Gray = NC  
Blue = NO

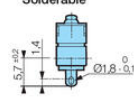
Cross section:  
83181 / 83 183 / 83 186 = 3 x 0.5 mm<sup>2</sup>

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

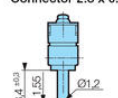


- 1 OL = 7.6 max.

W2S  
Solderable



W7S  
Connector 2.8 x 0.5

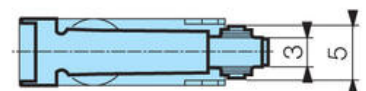
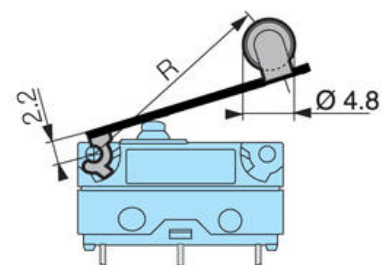


X1A  
Circuit board

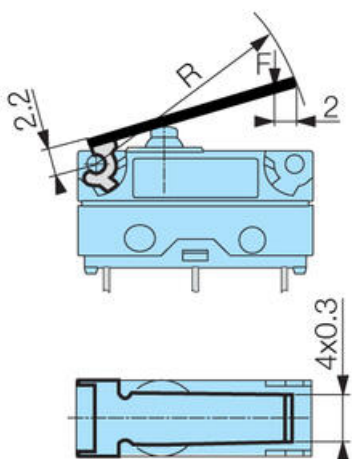


## 170 E

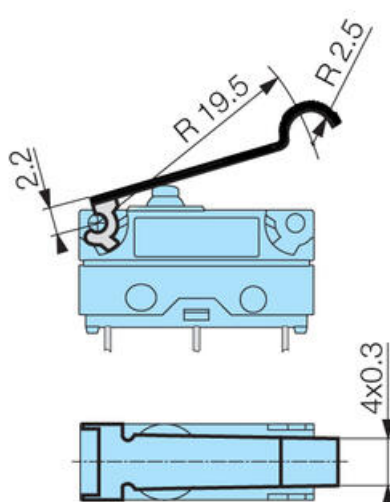
Arm with roll



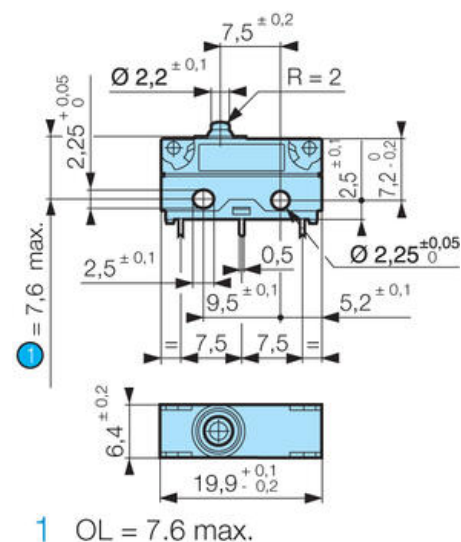
## 170 A Straight-arm



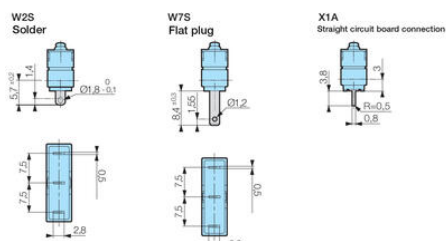
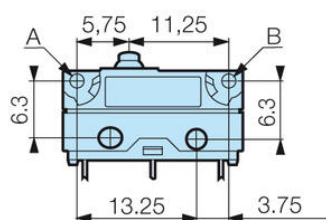
## 170 F Arm with simulated scroll



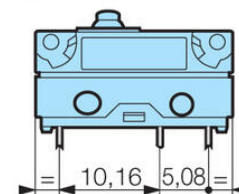
## Symmetric version type 83 180/181/183/186



## Mounting bracket

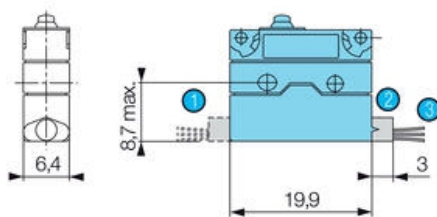


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0.2 Nm, with screw + washer: 0.3 Nm

## Cable Outputs

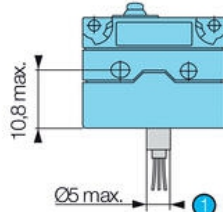


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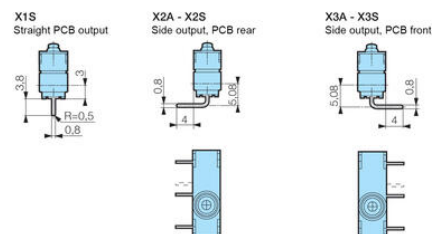
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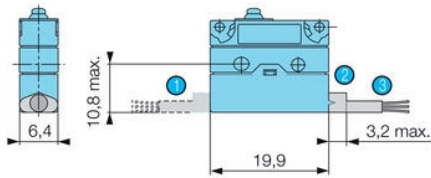
- 1 Standard 500 mm

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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 =  $3 \times 0.5 \text{ mm}^2$

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

