OEM Automatic Ltd
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0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

CROUZET SWITCHES - TIGHT V4 IP67

83186001
831860 C/O W2S.



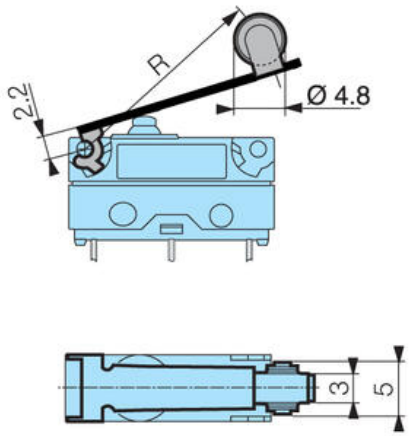
- Nominal rated current from 0.1 A to 10 A/250 V ac
- Min. rated current 1 mA/4 V dc
- Two possible control arm installation positions

PRODUCT DESCRIPTION

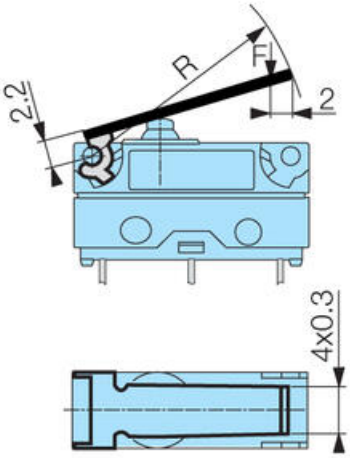
TECHNICAL DATA

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
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

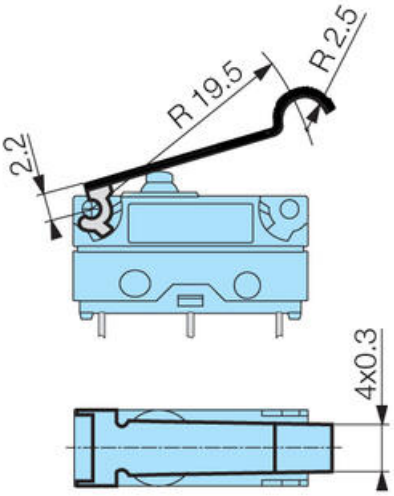
170 E
Arm with roll



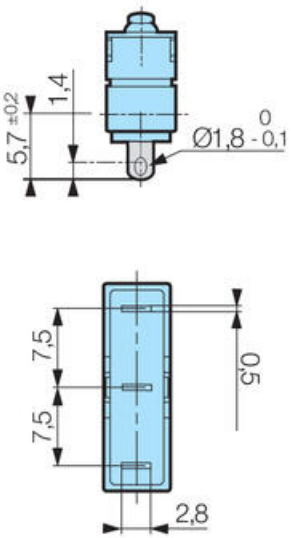
170 A
Straight-arm



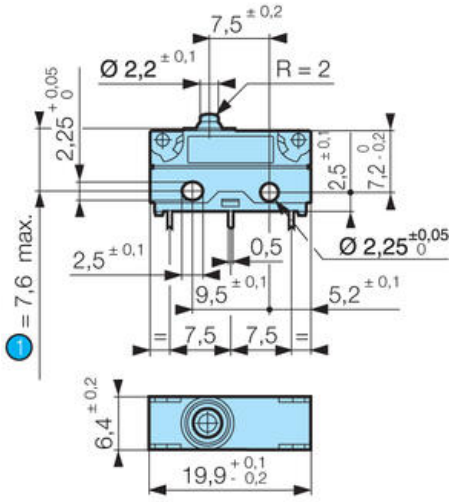
170 F
Arm with simulated scroll



W2S
Solder

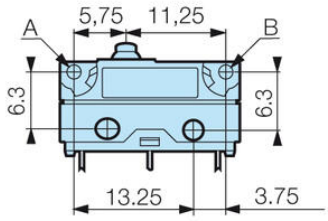


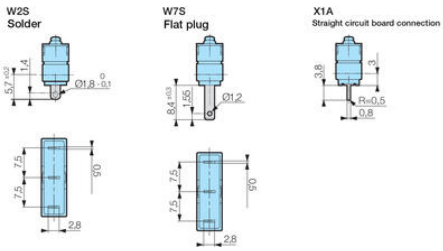
Symmetric version
type 83 180/181/183/186



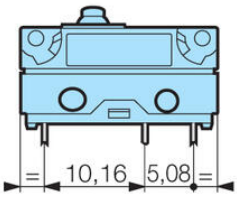
1 OL = 7.6 max.

Mounting bracket



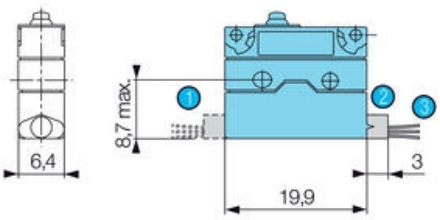


Asymmetric version
typ 83 180/181/183/186



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

Cable Outputs

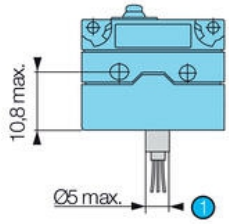


1 FG0
2 FD0
3 Standard 500 mm

Black = Common
Gray = NC
Blue = NO

Cross section:
83181 / 83 183 / 83 186 = 0.5 mm²
83 180 = 0.75 mm²

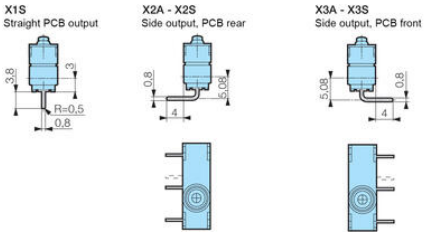
Cable outlet
B0 cable outlet on the bottom



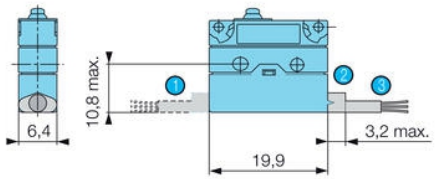
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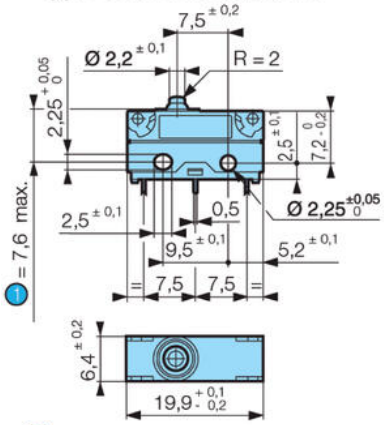


1 CG0
2 CD0
3 Standard 500 mm

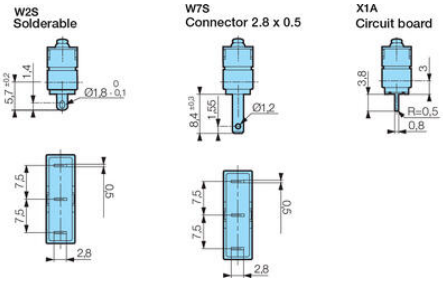
Black = Common
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Cross section:
83181 / 83 183 / 83 186 = 3 x 0.5 mm²

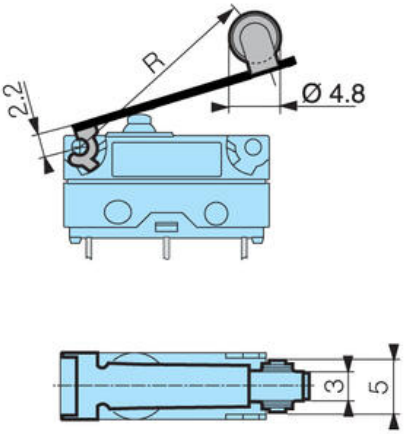
Symmetric version
type 83 180/181/183/186



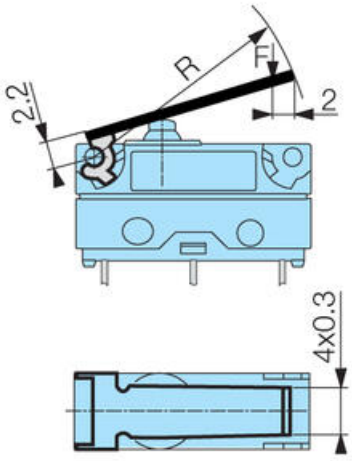
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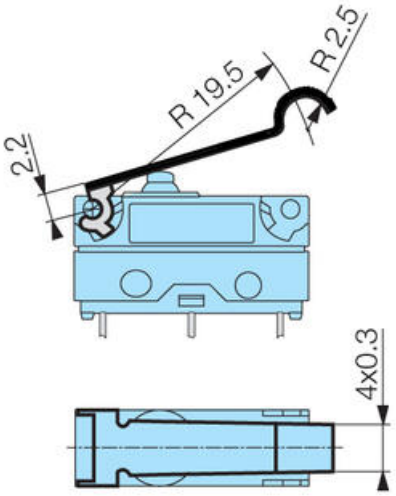
170 E
Arm with roll



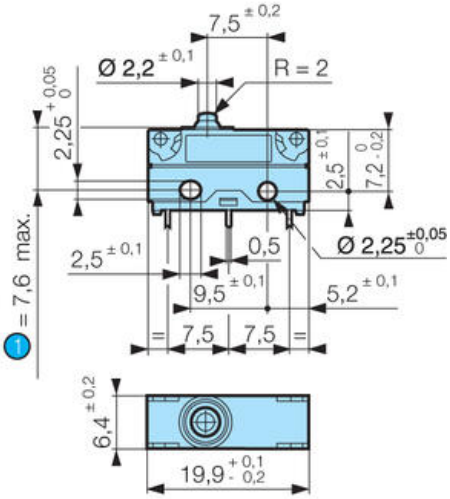
170 A
Straight-arm



170 F
Arm with simulated scroll

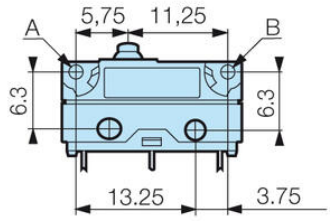


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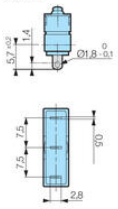


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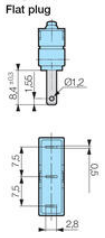
Mounting bracket



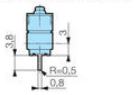
W2S
Solder



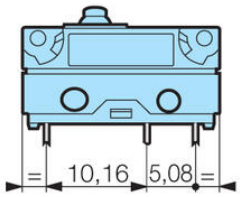
W7S
Flat plug



X1A
Straight circuit board connection

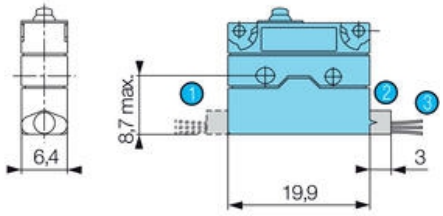


Asymmetric version
typ 83 180/181/183/186



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

Cable Outputs

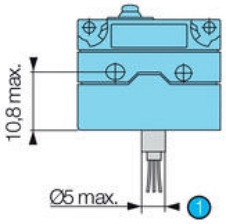


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Cross section:
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83 180 = 0.75 mm²

Cable outlet
B0 cable outlet on the bottom

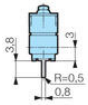


1 Standard 500 mm

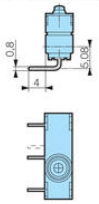
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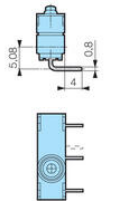
X1S
Straight PCB output



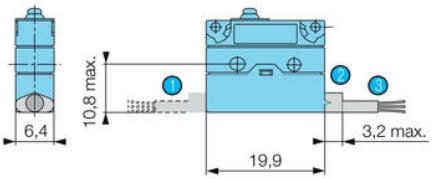
X2A - X2S
Side output, PCB rear



X3A - X3S
Side output, PCB front



Cable Outputs

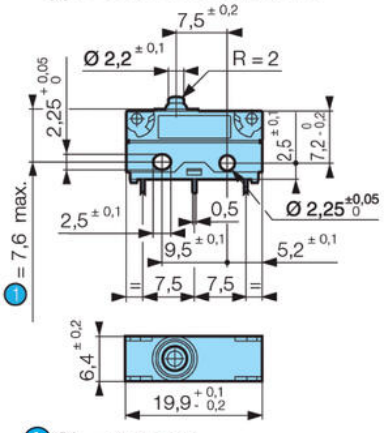


1 CG0
2 CD0
3 Standard 500 mm

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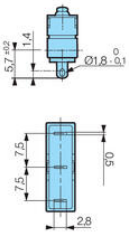
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Symmetric version
type 83 180/181/183/186

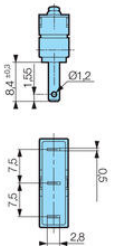


1 OL = 7.6 max.

W2S
Solderable



W7S
Connector 2.8 x 0.5



X1A
Circuit board

