

V4 83170 Dual-current 831708 Part number made to order



- Nominal ratings 0.1 A to 10 A / 250 VAC
- Minimum rating 1 mA / 4 VDC

1,7

- Operating temperature up to +125 °C
- Conforming to standards EN 61058 and UL 1054 Choice of actuators with 2 possible fixing positions

Туре	Function	Connections	
MADE TO Dual-current 831708	I (changeover)	X1S - X2 - X2S - X3 - X3S	
ORDER	(0 <i>)</i>		
Specifications			
Electrical characteristics			
Rating nominal / 250 VAC (A)	0,1		
Rating thermal / 250 VAC (A)	6		
Mechanical characteristics			
Maximum operating force (N)	1,5		
Min. Release force (N)	0,3		
Maximum total travel force (N)	1,8		
Max. permitted overtravel force (N)	10		
Maximum rest position (mm)	9,2		
Operating position (mm)	8,4 ^{±0,3}		
Max. differential travel mm	0,15		
Min. overtravel (mm)	0,5		
Ambient operating temperature (°C)	-20 →+125		
Mechanical life (operations)	10 ⁶		
Contact gap (mm)	0,4		

Components

Weight (g)

. Material

- Case : polyester UL 94 VO
- Button : Glass-filled polyamide Contacts : AgNi, gold-plated AgNi (dual-current)
- Terminals : cupro-nickel (except W7A5 in brass)

Levers

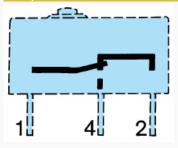
- Flat : stainless steel

- Roller : stainless steel, polyamide roller

Approvals

NF - UL - cUL

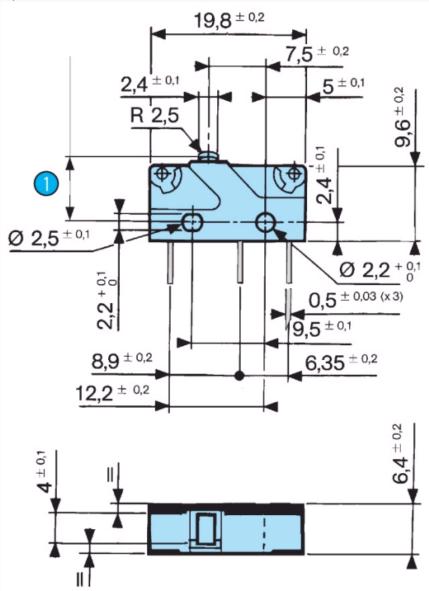
Principles



Dimensions (mm)

Product

83170

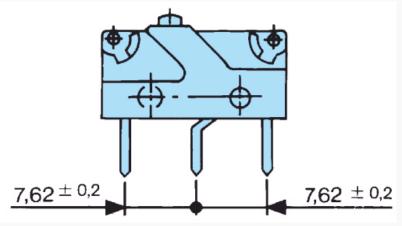


N°	Legend
0	OL = 7.6

Dimensions (mm)

Product

83170 Symmetrical version

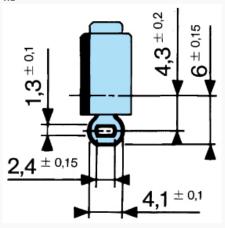


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Dimensions (mm)

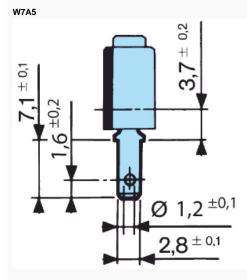
Connections

W2



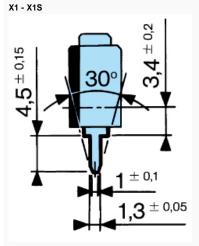
Dimensions (mm)

Connections



Dimensions (mm)

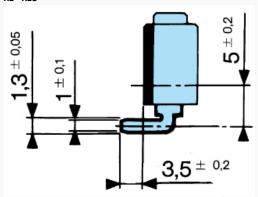
Connections



Dimensions (mm)

Connections

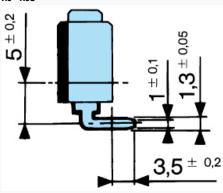
www.crouzet.com



Dimensions (mm)

Connections

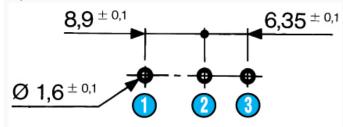
X3 - X3S



Dimensions (mm)

Drilling

Printed circuit board mounting Asymmetrical X1 - X2 - X3

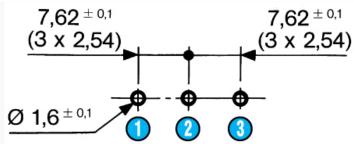


N°	Legend
0	1.C
0	4.NO
٥	2.NC

Dimensions (mm)

Drilling

Printed circuit board mounting Symmetrical X1S - X2S - X3S

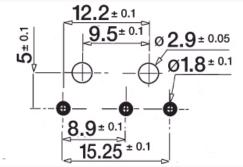


N°	Legend
0	1.C
0	4.NO
0	2.NC

Dimensions (mm)

Drilling

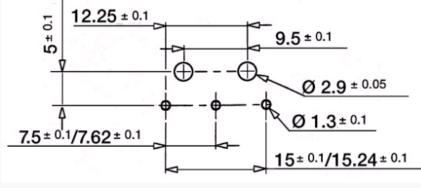
Mounting on a printed circuit board with fixing pins Asymmetrical



Dimensions (mm)

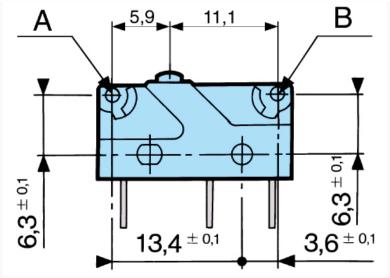
Drilling

Mounting on a printed circuit board with fixing pins Symmetrical



Dimensions (mm)

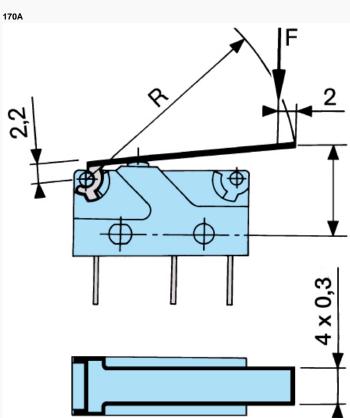
Actuator mounting positions



Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Actuators

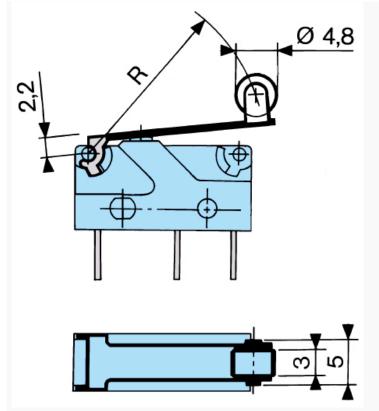


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Actuators

170E

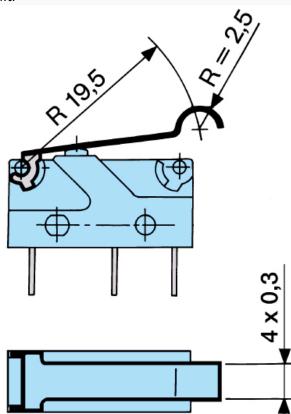


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Actuators





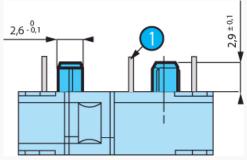
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Dimensions (mm)

Actuators

Fixing pins



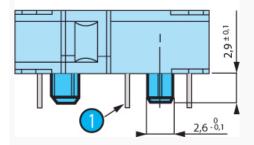
Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Nº	Legend
1	Output on unit side : X2

Dimensions (mm)

Actuators

Fixing pins

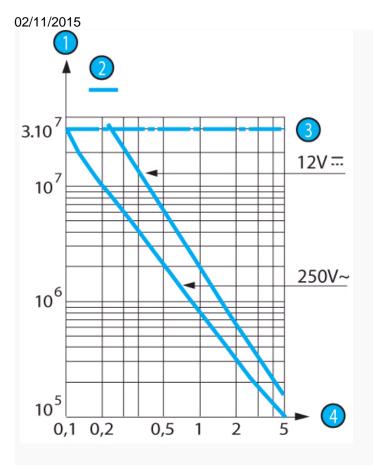


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

N°	Legend
0	Output on cover side : X3

Curves

Operating curve for types 831708 / 831709

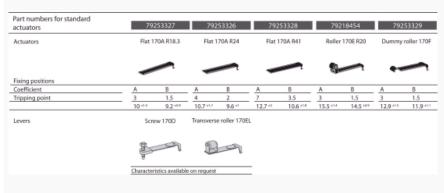


Models 831708 and 831709 are designed to operate equally well on dual-current (1 mA 4 V minimum) or medium-current (5 A maximum) circuits. However, a given product should only be used to switch one type of circuit during its working life.

Nº	Legend
0	Number of cycles
0	Resistive circuit
3	Mechanical life limit
0	Current in Amps

Connections

Actuators and fixing positions



Other information

Mounting - Operation See basic technical concepts

Product

Special levers
Special connections