

V4 83170 Low force 831704 Part number made to order



- Nominal ratings 0.1 A to 10 A / 250 VAC
- Minimum rating 1 mA / 4 VDC
- Operating temperature up to +125 °C
- Conforming to standards EN 61058 and UL 1054
- Choice of actuators with 2 possible fixing positions

Part numbers

	Type	Function	Connections
MADE TO ORDER	Low force 831704	I (changeover)	X1S - X2 - X2S - X3 - X3S

Specifications

Electrical characteristics

Rating nominal / 250 VAC (A)	5
Rating thermal / 250 VAC (A)	6

Mechanical characteristics

Maximum operating force (N)	0,6
Min. Release force (N)	0,1
Maximum total travel force (N)	1
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)	3.10 ⁷
Contact gap (mm)	0,4
Weight (g)	1,7

Additional specifications

Components

Material

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

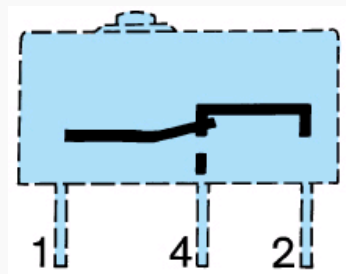
Levers

- Flat : stainless steel
- Roller : stainless steel, polyamide roller

Approvals

NF - UL - cUL

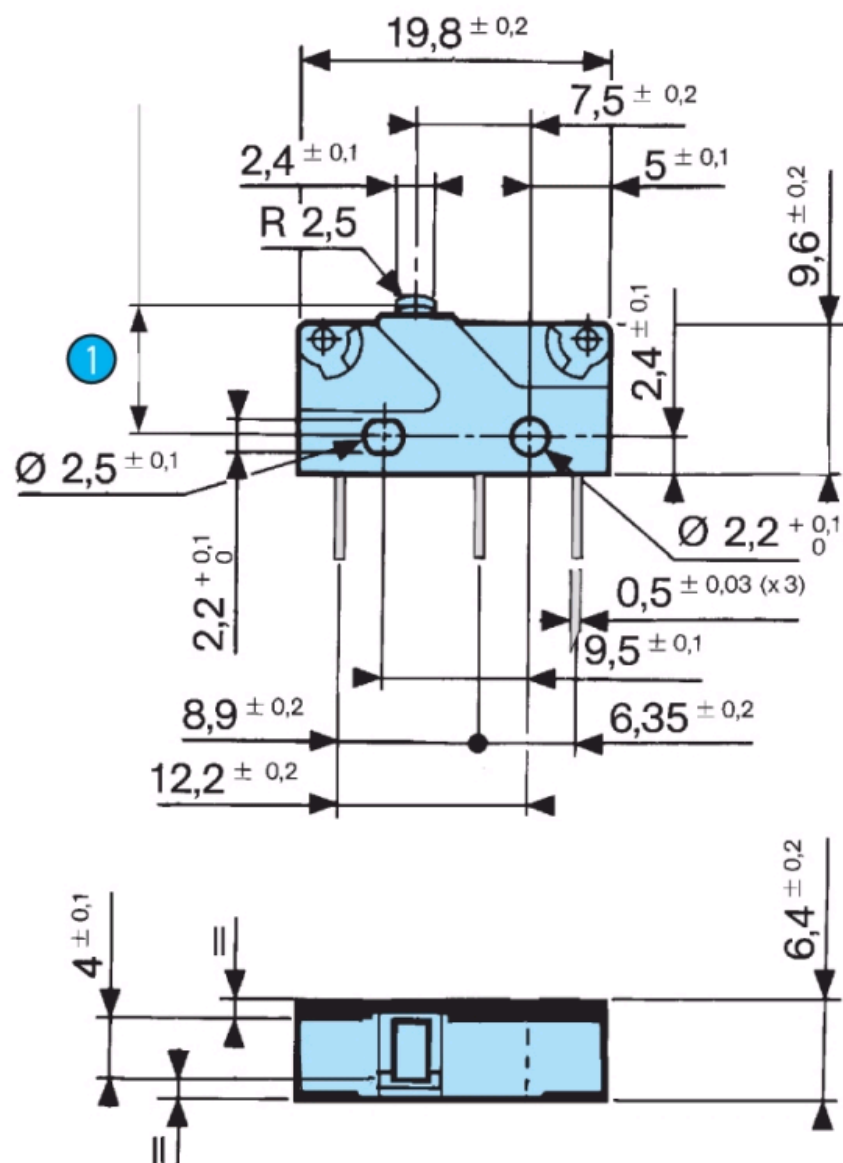
Principles



Dimensions (mm)

Product

83170

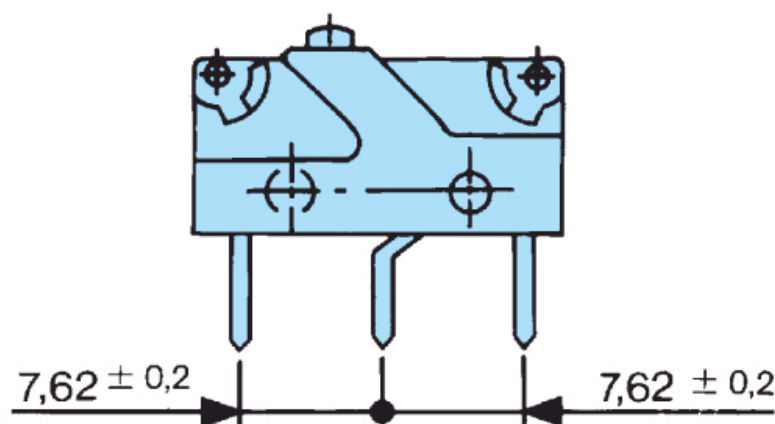


N°	Legend
1	OL = 7.6

Dimensions (mm)

Product

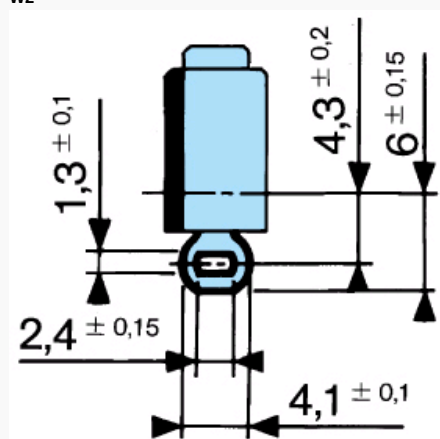
83170 Symmetrical version



Dimensions (mm)

Connections

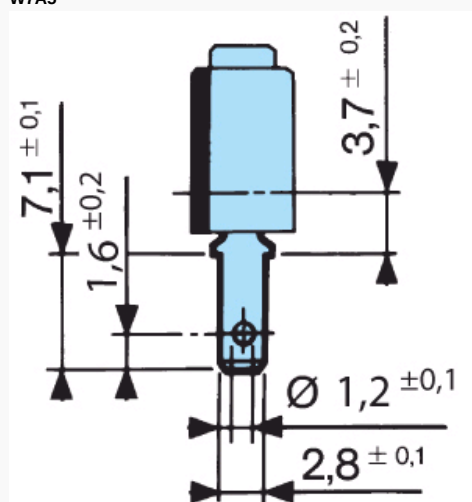
W2



Dimensions (mm)

Connections

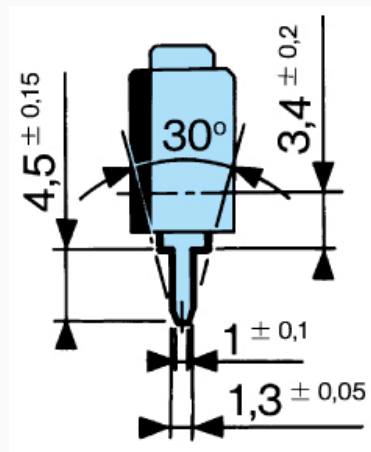
W7A5



Dimensions (mm)

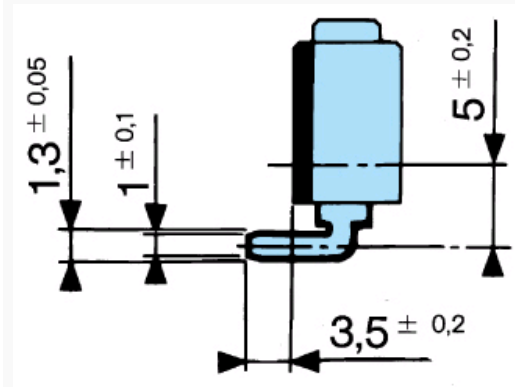
Connections

X1 - X1S



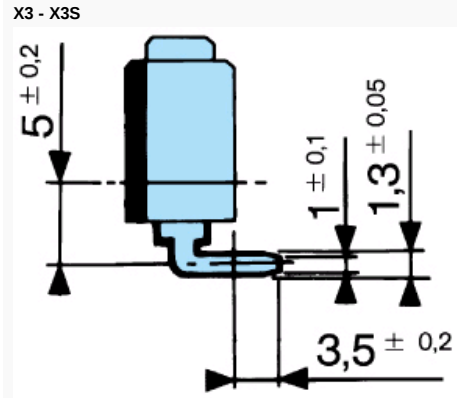
Dimensions (mm)

Connections



Dimensions (mm)

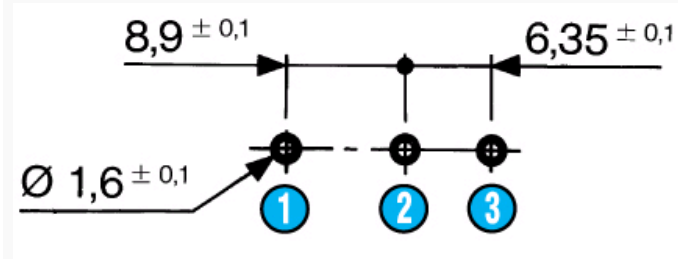
Connections



Dimensions (mm)

Drilling

Printed circuit board mounting
Asymmetrical X1 - X2 - X3

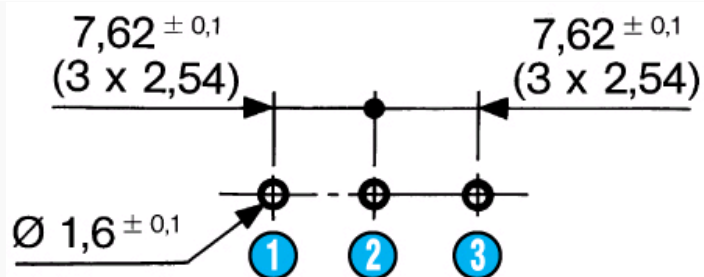


N°	Legend
1	1.C
2	4.NO
3	2.NC

Dimensions (mm)

Drilling

Printed circuit board mounting
Symmetrical X1S - X2S - X3S

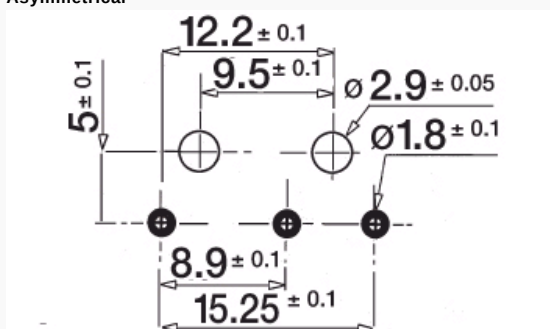


N°	Legend
1	1.C
2	4.NO
3	2.NC

Dimensions (mm)

Drilling

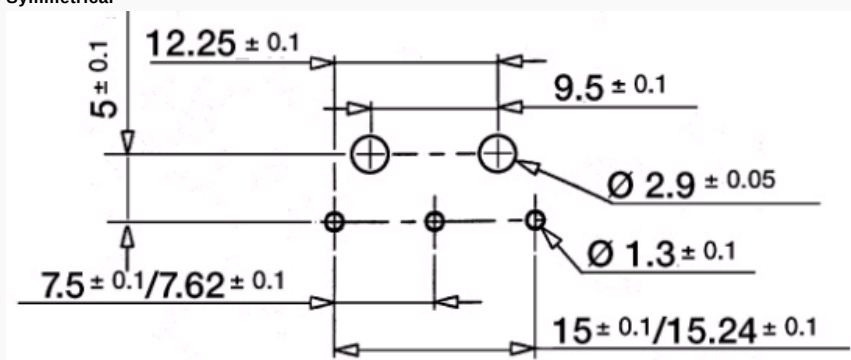
Mounting on a printed circuit board with fixing pins
Asymmetrical



Dimensions (mm)

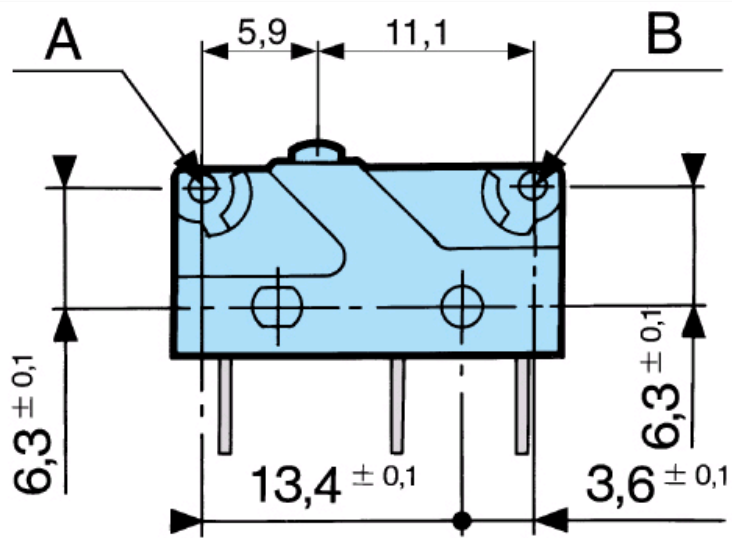
Drilling

Mounting on a printed circuit board with fixing pins
Symmetrical



Dimensions (mm)

Actuator mounting positions

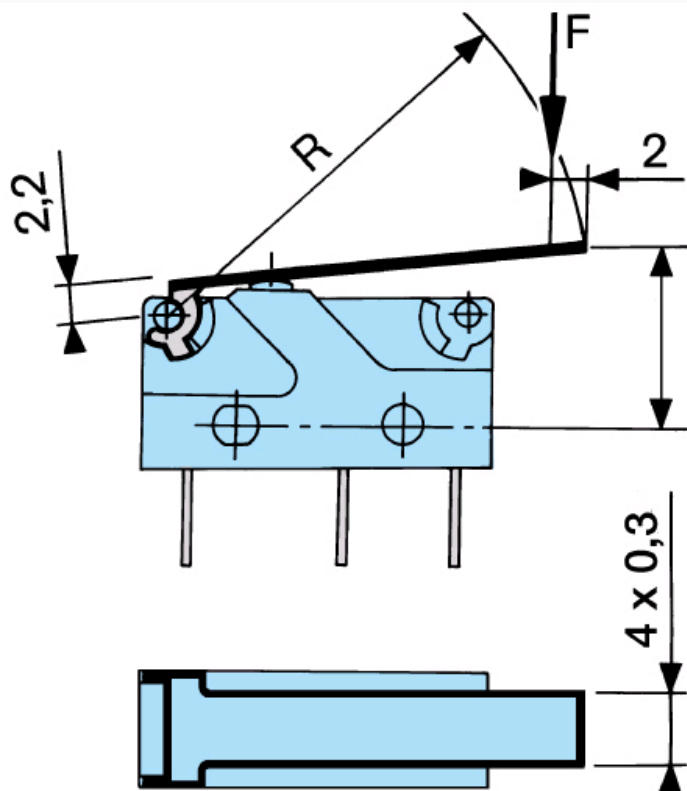


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Actuators

170A

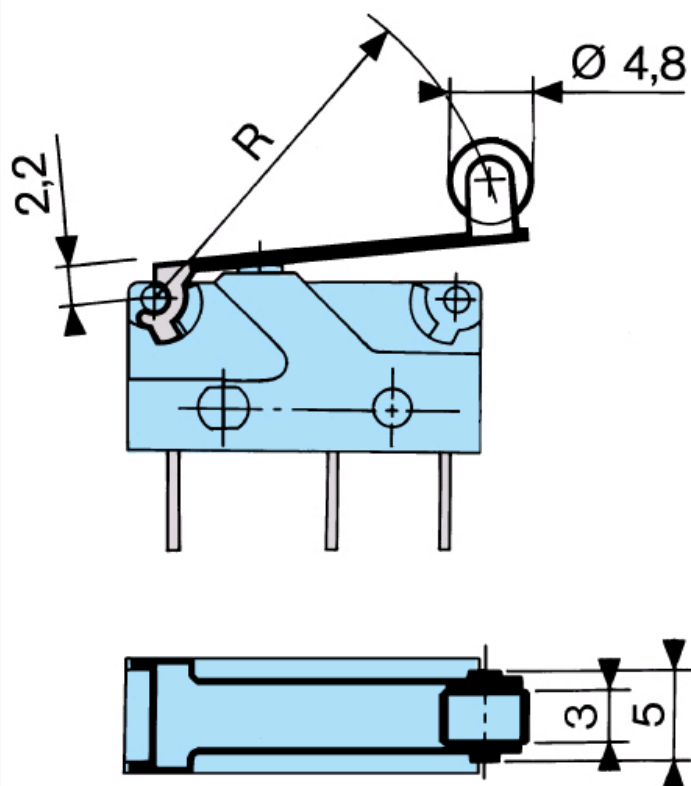


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Actuators

170E

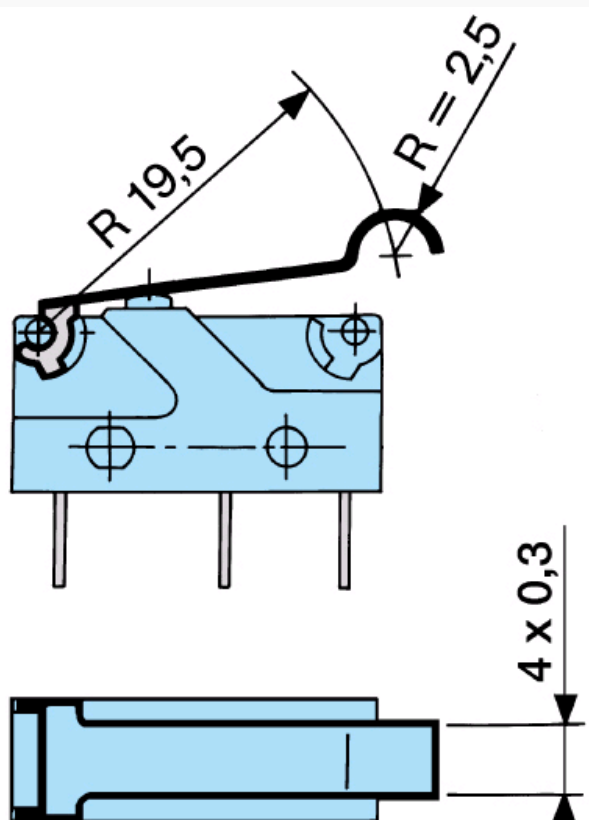


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Actuators

170F

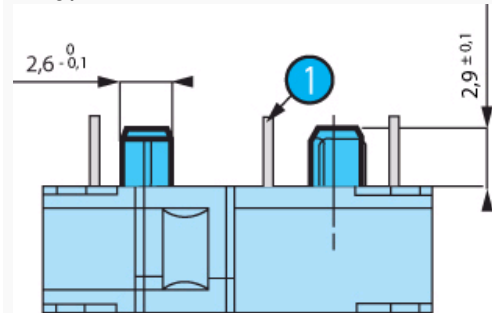


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

Dimensions (mm)

Mounting accessories

Fixing pins



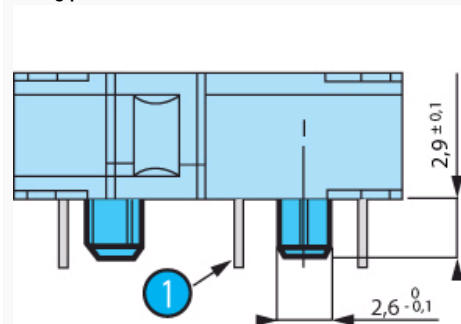
Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

N°	Legend
1	Output on unit side : X2

Dimensions (mm)

Mounting accessories

Fixing pins

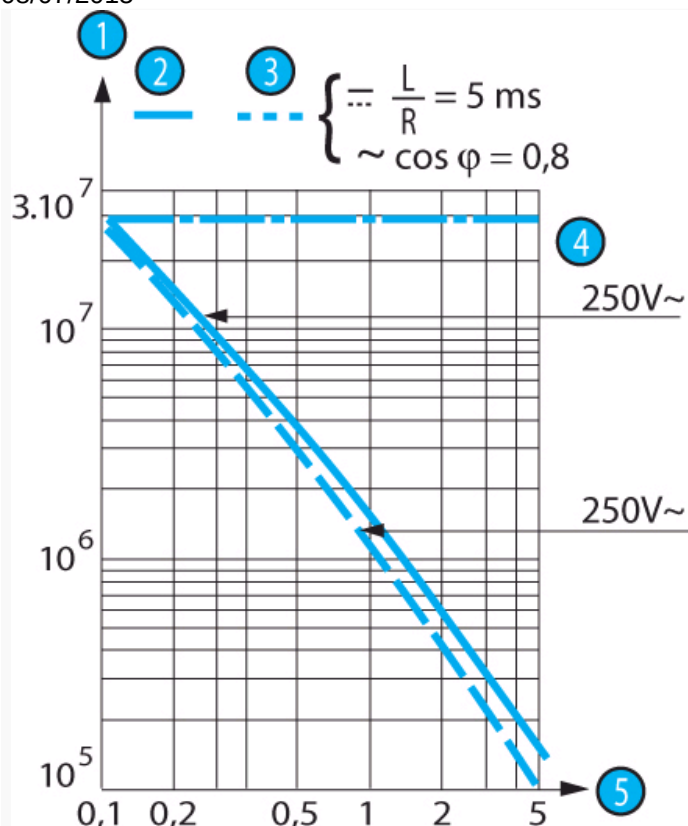


Fixing position Except where otherwise indicated, levers are supplied unmounted. For factory mounting, specify fixing position A or B. To calculate force : divide the switch force by the coefficient in the table. To calculate travel : multiply the switch travel by the same coefficient.

N°	Legend
1	Output on cover side : X3

Curves

Operating curve for type 831704



N°	Legend
①	Number of cycles
②	Resistive circuit
③	Inductive circuit
④	Mechanical life limit
⑤	Current in Amps

Connections

Actuators and fixing positions

Part numbers for standard actuators										
	79253327		79253326		79253328		79218454		79253329	
Actuators	Flat 170A R18.3		Flat 170A R24		Flat 170A R41		Roller 170E R20		Dummy roller 170F	
										
Fixing positions										
Coefficient	A	B	A	B	A	B	A	B	A	B
Tripping point	3	1.5	4	2	7	3.5	3	1.5	3	1.5
	10 ^{+1.4}	9.2 ^{+0.9}	10.7 ^{+1.7}	9.6 ⁺¹	12.7 ^{+1.8}	10.6 ^{+1.4}	15.5 ^{+1.4}	14.5 ^{+0.9}	12.9 ^{+1.3}	11.9 ^{+0.1}
Levers	Screw 170D		Transverse roller 170EL							
										
Characteristics available on request										

Other information

Mounting - Operation

See basic technical concepts

Product adaptations



- Special levers
- Special connections

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9