MBB series

Micro limit snap action switch

Distinctive features and specifications

- **Movement differential ≤0.2mm.**
- **Available in normally open, normally closed and change-over functions.**
- **Solder lug and PC terminals availible.**

ELECTRICAL SPECIFICATIONS

- AC rating: 5A 125VAC (cULus) 5A 250VAC (VDE)
- Electrical life: 10,000 cycles min.

MATERIALS

- Case: PBT (UL94V-0)
- Actuator: PPS (UL94V-0)
- Contact spring: CuBe
- Terminals: CuZn Ag plated
- Contacts: AgNi

GENERAL SPECIFICATIONS

- Operating temperature: 0°C to +85°C
- Pretravel: ≤0.8mm
- Overtravel: 0.5mm min.
- Movement differential: ≤0.2mm
- Operating position: 9.1±0.4mm
- Contact gap: <3mm

AGENCY APPROVALS

MBB series

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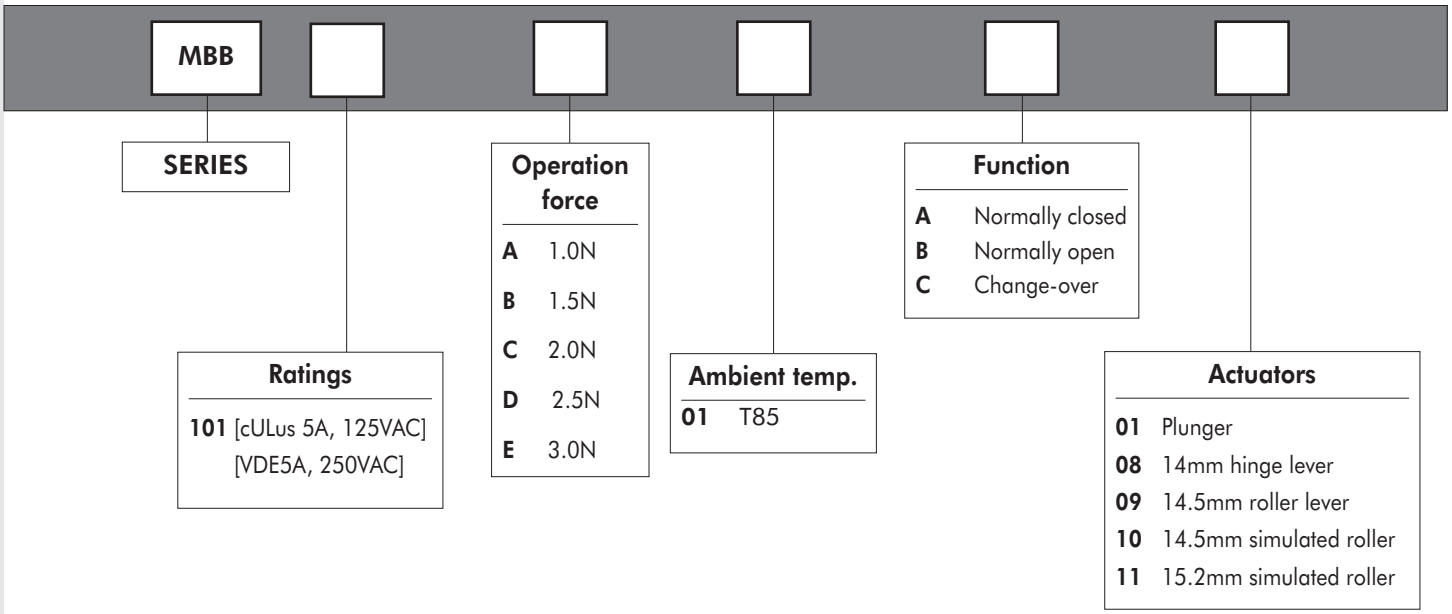
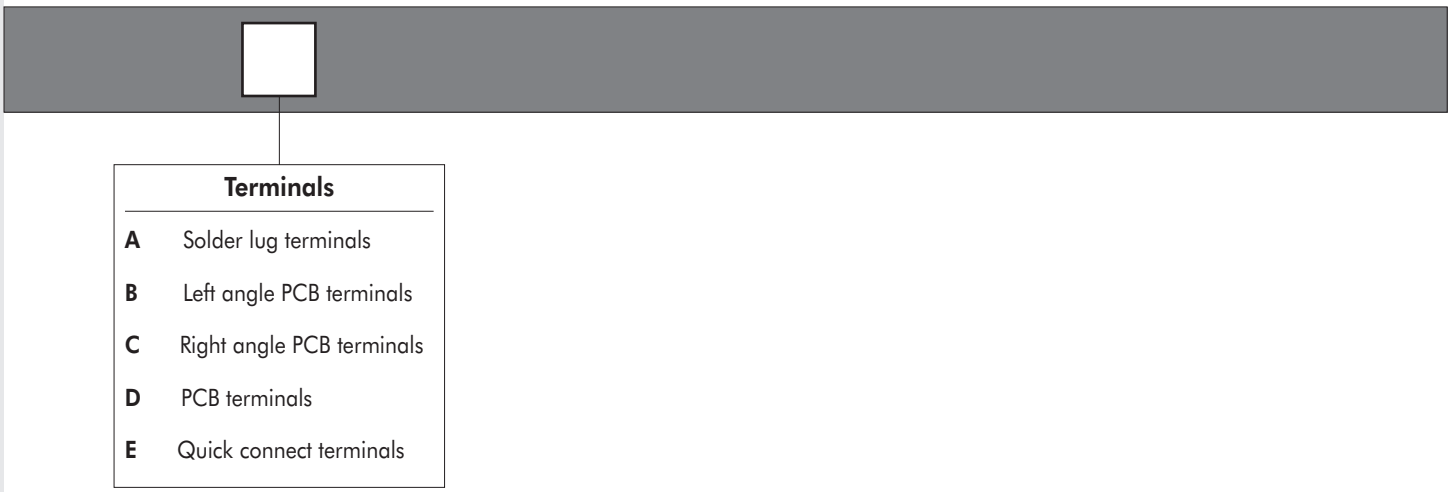
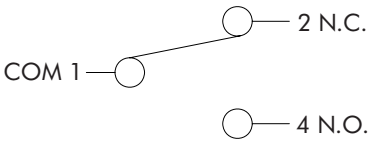




ABOUT THIS SERIES
On the following pages, you will find successively :
- model structure of switches
- options in the same order as in above chart

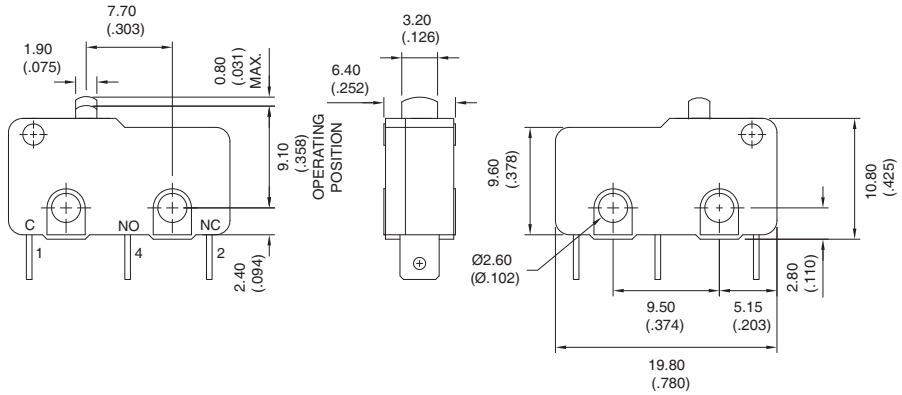
Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.

NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.



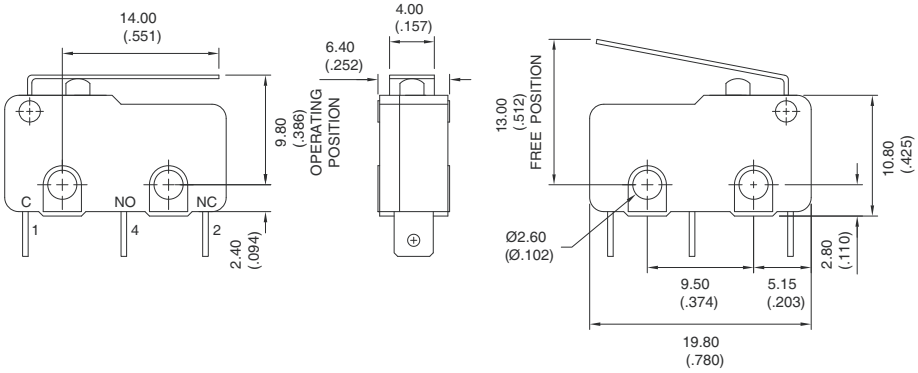
Change-over with plunger

MBB101 01C01



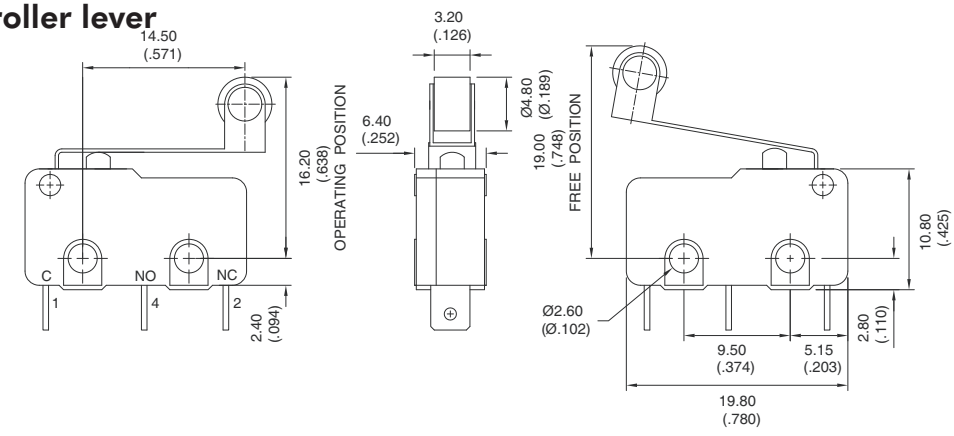
Change-over with 14mm hinge lever

MBB101 01C08



Change-over with14.5mm roller lever

MBB101 01C09



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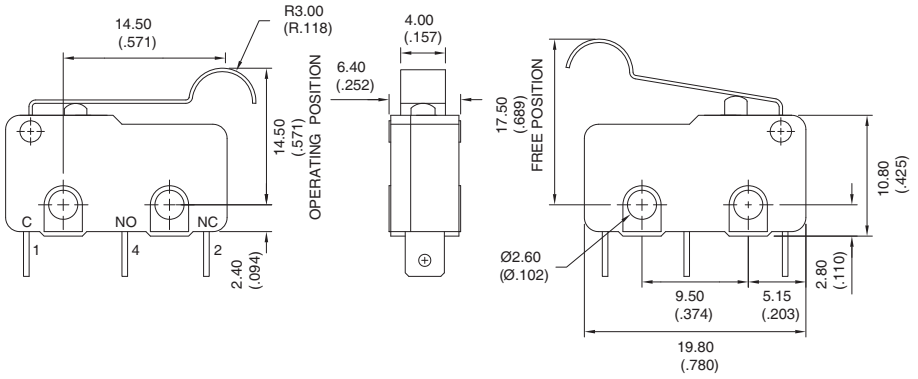
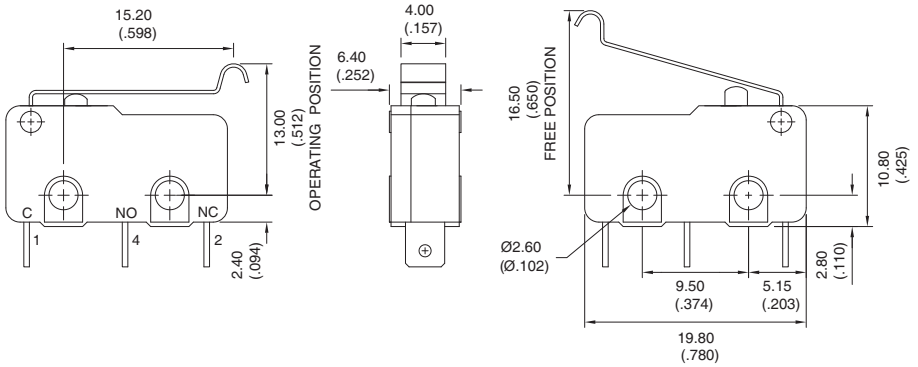
Change-over with 14.5mm simulated roller

MBB101 01C10



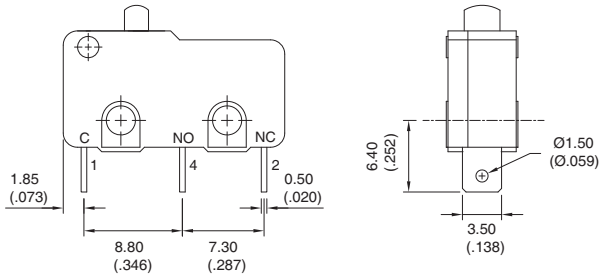
Change-over with 15.2mm simulated roller

MBB101 01C11

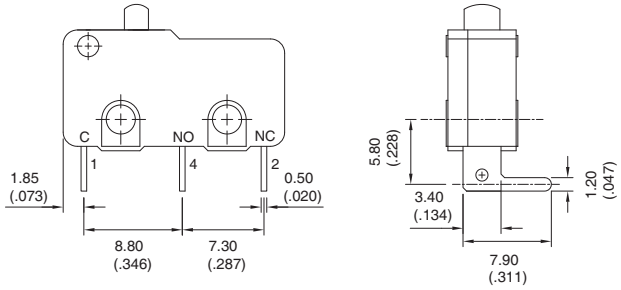


Terminal options

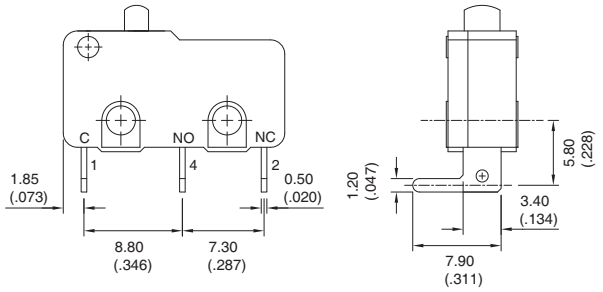
A Solder lug terminals



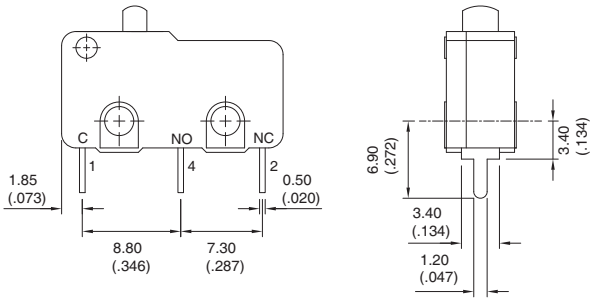
B Left bend PCB terminals



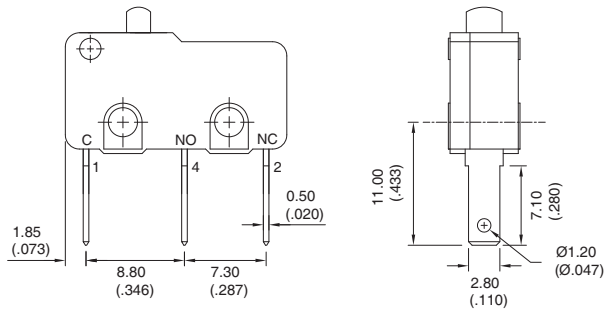
C Right bend PCB terminals



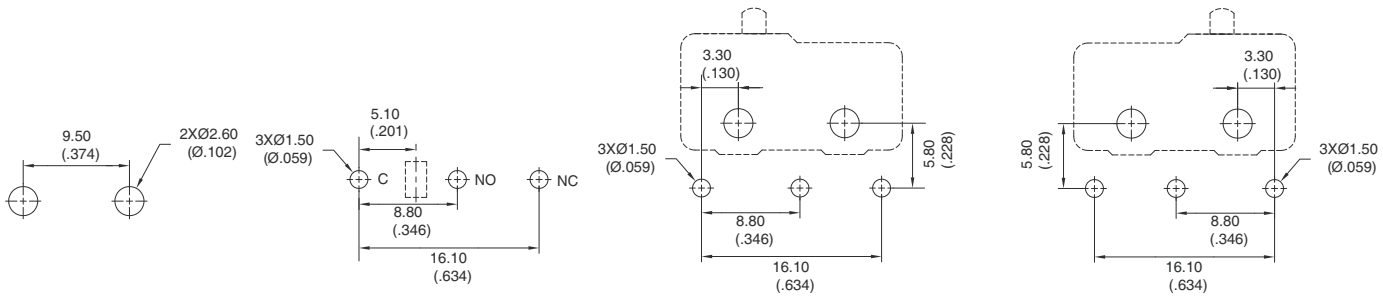
D PCB terminals



E Quick connect terminals



Mounting hole dimensions



Fixing holes | **PCB terminals** | **Left bend PCB terminals** | **Right bend PCB terminals**

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MBB	Actuator	Actuator length	Operation force on plunger (≤N)	Operation force on lever (≤N)	Pretravel ≤ mm (in)	Overtravel ≤ mm (in)	Movement differential ≤ mm (in)	Free position ≤ mm (in)	Operating position
Plunger	01	-	1.0 1.5 2.0 2.5 3.0	- - - - -	0.80 (.031)	0.50 (.020)	0.20 (.008)	10.30 (.406)	9.10±0.40 (.358±.016)
Hinge lever 14mm	08	14.00 (.551)	1.0 1.5 2.0 2.5 3.0	0.30 0.45 0.60 0.75 0.90	4.20 (.165)	1.00 (.039)	0.80 (.031)	13.00 (.512)	9.80±1.00 (.386±.039)
Roller lever 14.5mm	09	14.50 (.571)	1.0 1.5 2.0 2.5 3.0	0.30 0.45 0.60 0.75 0.90	3.80 (.150)	1.20 (.047)	0.80 (.031)	19.00 (.748)	16.20±1.00 (.638±.039)
Simulated roller 14.5mm	10	14.50 (.571)	1.0 1.5 2.0 2.5 3.0	0.30 0.45 0.60 0.75 0.90	4.00 (.157)	1.20 (.047)	0.80 (.031)	17.50 (.689)	14.50±1.00 (.571±.039)
Simulated roller 15.2mm	11	15.20 (.598)	1.0 1.5 2.0 2.5 3.0	0.25 0.38 0.50 0.63 0.75	4.70 (.185)	1.20 (.047)	0.80 (.031)	16.50 (.650)	13.00±1.20 (.512±.047)