



MICROPRECISION ELECTRONICS SA

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**SERIES
MP500**

**NEW
IMPROVED
VERSION**

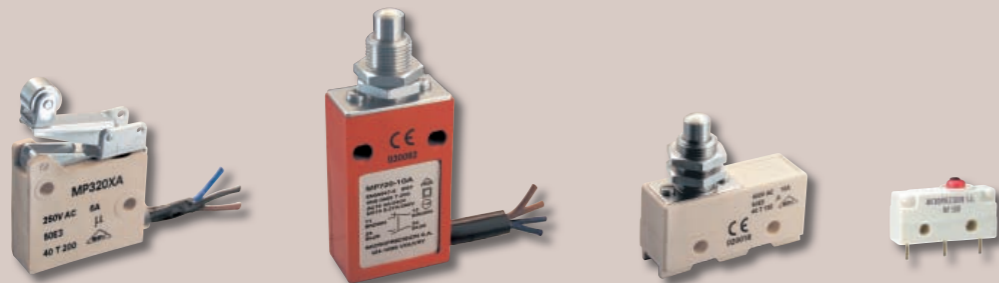
- PCB terminals, solder terminals or PVC cable
- IP 67 Protection
- Silver or gold plated contacts
- Wide choice of actuators
- V4 housing
- Reduced differential movement

Trust more than 50 years of experience!

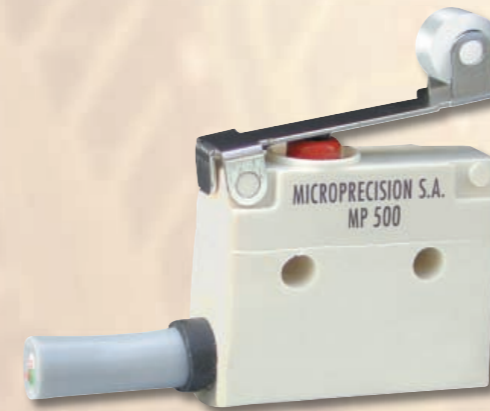
Companies, whose activities encompass such different areas as food processing, chemicals, machine-tools, transport, etc., have been placing their trust in Microprecision Electronics SA for a long time; they have found it to be a first-class and reliable partner, able to supply tailor-made products which meet international standards.

56 basic types and more than 1000 possible configurations allow virtually any application to be met in industries where harsh environments require the highest technological competence.

Microprecision Electronics SA has set itself the task of listening to its customers expectations so that it can provide tailor-made solutions for small production runs.



Microswitches and sealed position switches



If your application depends on it



For more information, please contact one of our resellers or visit our website: www.microprecision.ch



Operating Characteristics

	L00	L70	L71	L80	L81	L85	L86
Actuating force Fa max [N]	2.5	1.0	2.0	1.0	2.0	1.0	2.0
Release force Fr min [N]	0.5	0.15	0.3	0.15	0.3	0.15	0.3
Free position Pr [mm]	9.2 ± 0.2	12.0 ± 0.4	10.3 ± 0.4	17.3 ± 0.4	15.9 ± 0.4	15.0 ± 0.4	13.5 ± 0.4
Operating position Pa [mm]	8.7 ± 0.2	10.0 ± 0.4	9.4 ± 0.4	15.3 ± 0.4	15.0 ± 0.4	13.0 ± 0.4	12.6 ± 0.4
Repeitivy [mm]	±0.02	±0.04	±0.04	±0.04	±0.04	±0.04	±0.04
Over-travel sr min [mm]	0.6	1.2	0.6	1.2	0.6	1.2	0.6
Differential movement sd [mm]	0.05	0.4	0.3	0.4	0.3	0.4	0.3
Contact gap [mm]	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Electrical characteristics

Switching rating	
- contact silver:	250VAC - 2A - changeover
- gold plated on silver:	24VAC/DC - 0.1A

New 2011
UL listed for 250VAC/5A
under UL 61058-1

Approved Standard : EN 61058

Other characteristics

Mechanism	Snap action coil spring mechanism with stainless steel spring
Circuit	SPDT changeover
Mechanical lifespan	10x10 ⁶ cycles
Dimensions	DIN 41 635, B-form
Actuators	Stainless steel
Operating temperature	-40°C to 105°C
Protection	IP67

Products and Specifications are subject to change without notice.



Ordering Reference

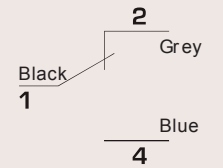
MP50 - L - C

- CONTACT**
0 Silver contact
1 Gold-plated contact

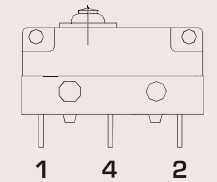
- LEVER**
00 Without lever
70 Flat- position A
71 Flat- position B
80 Roller- position A
81 Roller- position B
85 Simulated roller- position A
86 Simulated roller- position B

- TERMINALS**
000 Solder terminals -40°C + 105°C / -40°F + 221°F
001 PCB -40°C + 105°C / -40°F + 221°F
100 50 cm PVC cable -40°C + 105°C / -40°F + 221°F
Other lengths on request

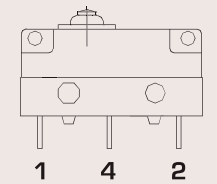
PVC
MP500 - L_ - C100



CS
MP500 - L_ - C000



PCB
MP500 - L_ - C001

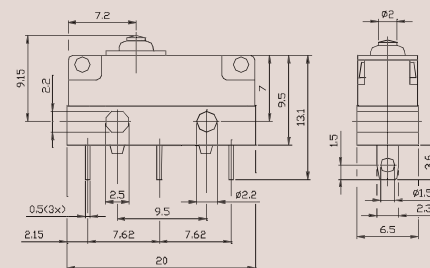


Layout PCB

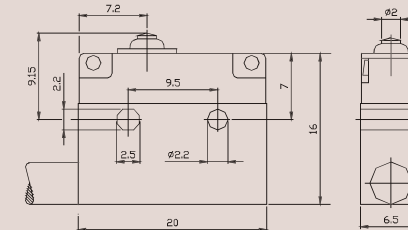


Examples of terminals

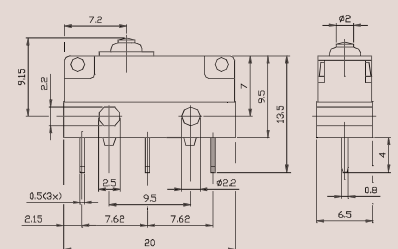
MP500 - L00 - C000



MP500 - L00 - C100

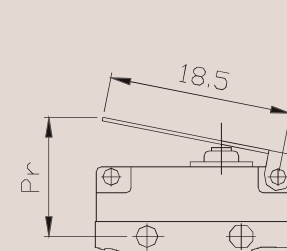


MP500 - L00 - C001

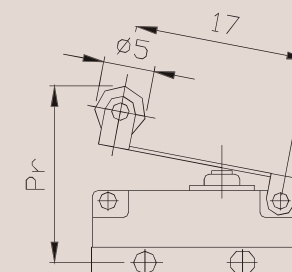


Examples of levers (L)

MP500 - L70



MP500 - L80



MP500 - L85

