

## Features

- A wide variety of actuator for selection
- Electric shock protection class
- A large switching capacity of 15A with high repeat accuracy
- A wide range of operating speed is available

## Characteristics

Degree of protection		IP00
Rating	IEC 60947-5-1	250V AC / 15A
	UL508	480V AC / 15A
		0.5A / 125V DC, 0.25A / 250V DC
		1/8HP/120V AC, 1/4HP/240V AC, 1/2HP / 480V AC
Durability	Mechanical	20,000,000 operations min.
	Electrical	500,000 operations min.
Operating Speed		0.01mm ~ 1m/s
Operating Frequency	Mechanical	240 operations /min.
	Electrical	20 operations /min.
Rated Frequency		50/60Hz
Insulation Resistance		100MΩ min. (at 500V DC)
Contact Resistance		15mΩ max. (initial value)
Dielectric Strength	Between terminals of same polarity	AC1,000V 50/60Hz 1min
	Between current-carrying metal parts and ground	AC2,000V 50/60Hz 1min
	Between each terminal and non-current-carrying metal part	AC2,000V 50/60Hz 1min
Rated insulation voltage (Ui)		250V AC
Pollution degree (Application environment)		3 (EN60947-5-1)
Rated open thermal current (Ith)		15A
Degree of protection against electric shock		Class I
Vibration Resistance	Malfunction	10~55Hz double amplitude
Shock Resistance	Destruction	1,000m/s <sup>2</sup> min.
	Malfunction	300m/s <sup>2</sup> min.
Ambient operating temperature range		-25°C ~ +80°C with no icing
Ambient operating humidity range		35% ~ 85% RH

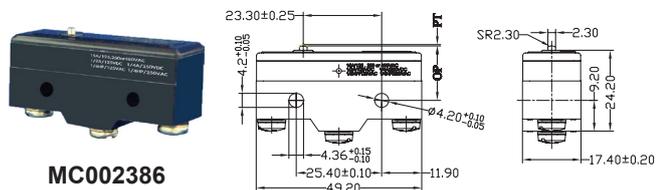
### Notes:

1. Above values of these characteristics are initial values.
2. Above values of these characteristics may be depending on different models.
3. Above durability is for an ambient temperature of 5 to 35°C and ambient humidity of 40% to 70%.

## Operating Characteristics

Part Number	Operating Force (Max.)	Release Force (Min.)	Pre Travel (Max.)	Over Travel (Min.)	Movement Differential (Max.)	Free Position (Min.)	Operating Position
MC002393	1.57N	0.41N	-	2.4mm	0.5mm	32.5mm	30.2 ±0.4mm
MC002386	2.45 ~ 3.43N	1.12N	0.4mm	0.13	0.05mm	-	15.9 ±0.4mm
MC002387	2.45 ~ 3.43N	1.12N	0.4mm	1.6mm	0.05mm	-	28.2 ±0.5mm
MC002388	2.45 ~ 3.43N	1.12N	0.4mm	1.6mm	0.05mm	-	21.5 ±0.5mm
MC002389	2.45 ~ 3.43N	1.12N	0.4mm	5.5mm	0.05mm	-	21.8 ±0.8mm
MC002390	2.45 ~ 3.43N	1.12N	0.4mm	3.58mm	0.05mm	-	33.4 ±1.2mm
MC002391	2.45 ~ 3.43N	1.12N	0.4mm	3.58mm	0.05mm	-	33.4 ±1.2mm
MC002392	2.35N	0.55N	-	4mm	0.64mm	35mm	30.2 ±0.4mm
MC002394	1.67N	0.41N	-	2.4mm	0.51mm	43.6	41.3 ±0.8mm
MC002395	1.67N	0.41N	-	2.4mm	0.51mm	33.3mm	31 ±0.4mm
MC002396	0.69N	0.14N	-	5.6mm	1.27mm	28.2mm	19 ±0.8mm
MC002397	1.57N	0.27N	-	2mm	1mm	24.8mm	19 ±0.8mm

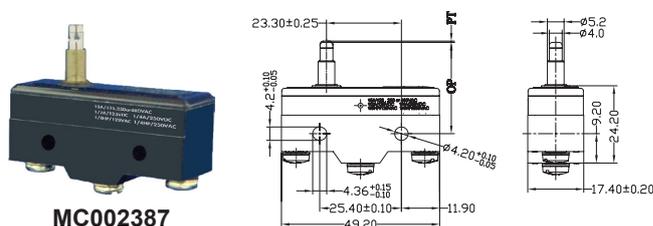
### Standard Pin Plunger



MC002386

Weight: 28.6g

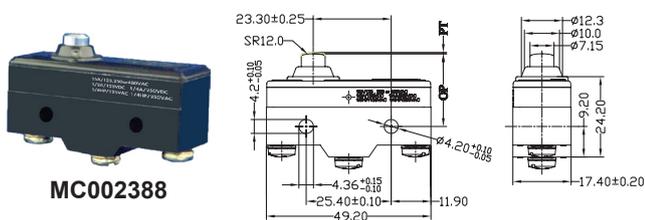
### Slim Spring Plunger



MC002387

Weight: 30.6g

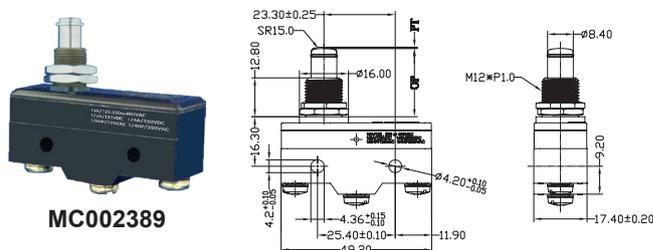
### Short Spring Plunger



MC002388

Weight: 31.1g

### Panel Mount Plunger



MC002389

Weight: 42.7g

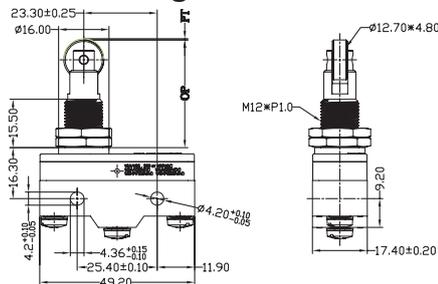
Dimensions : Millimetres

## Panel Mount Roller Plunger



**MC002390**

Weight: 54g

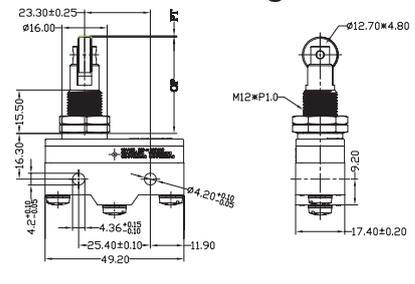


## Panel Mount Cross Roller Plunger



**MC002391**

Weight: 54.1g

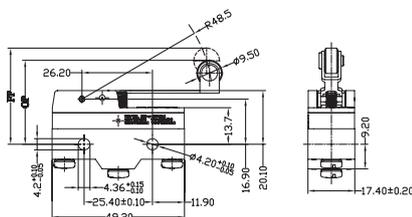


## Horizontal Standard Roller Leaf Spring



**MC002392**

Weight: 35.2g

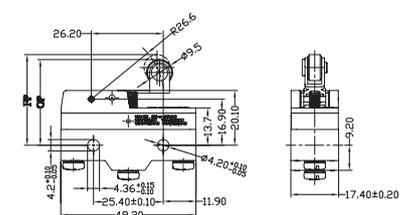


## Roller Short Hinge Lever



**MC002393**

Weight: 34.3g

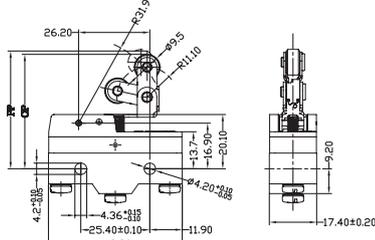


## Unidirectional Short Hinge Roller Lever



**MC002394**

Weight: 36.9g

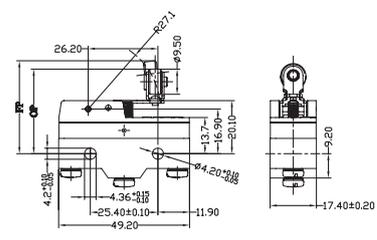


## Hinge Cross Roller Lever



**MC002395**

Weight: 35.1g

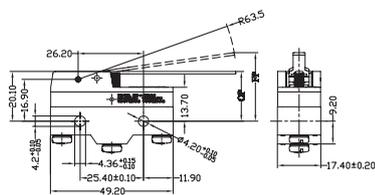


## Standard Hinge Lever



**MC002396**

Weight: 33.2g

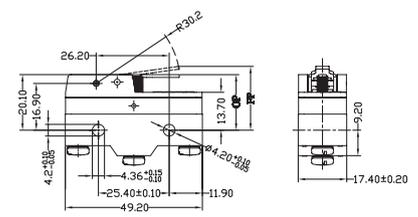


## Short Hinge Lever



**MC002397**

Weight: 32.1g



Dimensions : Millimetres

## Part Number Table

Description	Part Number
Horizontal Limit Switch, Microload (IP00), Standard Pin Plunger, Screw Terminal	MC002386
Horizontal Limit Switch, Microload (IP00), Slim Spring Plunger, Screw Terminal	MC002387
Horizontal Limit Switch, Microload (IP00), Short Spring Plunger, Screw Terminal	MC002388
Horizontal Limit Switch, Microload (IP00), Panel Mount Plunger, Screw Terminal	MC002389
Horizontal Limit Switch, Microload (IP00), Panel Mount Roller Plunger, Screw Terminal	MC002390
Horizontal Limit Switch, Microload (IP00), Panel Mount Cross Roller Plunger, Screw Terminal	MC002391
Horizontal Limit Switch, Microload (IP00), Horizontal Standard Roller Leaf Spring, Screw Terminal	MC002392
Horizontal Limit Switch, Microload (IP00), Roller Short Hinge Lever, Screw Terminal	MC002393
Horizontal Limit Switch, Microload (IP00), Unidirectional Short Hinge Roller Lever, Screw Terminal	MC002394
Horizontal Limit Switch, Microload (IP00), Hinge Cross Roller Lever, Screw Terminal	MC002395
Horizontal Limit Switch, Microload (IP00), Standard Hinge Lever, Screw Terminal	MC002396
Horizontal Limit Switch, Microload (IP00), Short Hinge Lever, Screw Terminal	MC002397

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