

## 15A Standard Size Microswitches



### DESCRIPTION

A range of standard size 15A microswitches offering a variety of actuator options.

### DISTINCTIVE FEATURES

- High quality standard sized microswitch
- Various actuator styles
- 250V AC contact voltage
- 15A contact current
- SPDT
- NO and NC contacts
- Quick Connect tab connectors: connection can be made by a 6.35mm (1/4in.) Faston-type connector or by soldering

### APPLICATIONS

Suitable for a wide range of industrial applications including limit switching, interlocks and mains voltage switching.

15A

250V  
AC

NO-NC



## ELECTRICAL SPECIFICATION

AC Current Rating	15A AC	
AC Voltage Rating	250V AC	
Contact Rating	250V 15A AC resistive load	
Dielectric Strength	between contacts	1000V AC, 50/60Hz for 60s
	between terminal and ground	1500V AC, 50/60Hz for 60s

Switching Specification	Non-Inductive Load (A)				Inductive Load (A)				Inrush Current (Max)
	Resistance Load		Lamp Load		Inductive Load		Motor Load		
Voltage	NC	NO	NC	NO	NC	NO	NC	NO	36A
125VAC	15		3		10		4		
250VAC	15		2		10		3		
8VDC	15		4		10		6		
14VDC	15		4		10		6		
30VDC	10		4		10		4		
125VDC	0.6		0.1		0.6		0.1		
250VDC	0.3		0.05		0.3		0.05		



## GENERAL SPECIFICATION

Type	Standard Size Microswitch (V15)
Operation	Single Action, Momentary
Contacts	SPDT
Operating force (max)	See part number table, page 6
Release Force	
Pre Travel	
Differential Movement	
Mechanical Life	5,000,000 Operations (min)
Electrical Life (@ Rated Load)	500,000 Operations (min @ rated load)



## MATERIALS

Housing	PA 6 UL94-V0
Button	Phenolic resin
Actuator Lever	Stainless Steel
Switch Contacts	Silver
Terminals	Brass



## ENVIRONMENTAL/OPERATING SPECIFICATION

Operating Temperature	-25°C~+85°C
Humidity	Under 50% RH Max
Vibration (malfunction)	10 to 55 Hz, 1.5mm double amplitude
Shock - Mechanical	1000 m/s (approx 100G)
Shock - Malfunction	300 m/s (approx 30G)



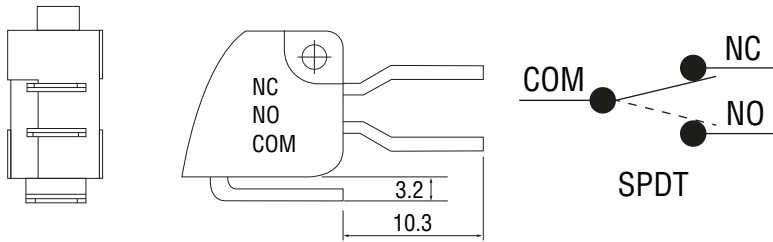
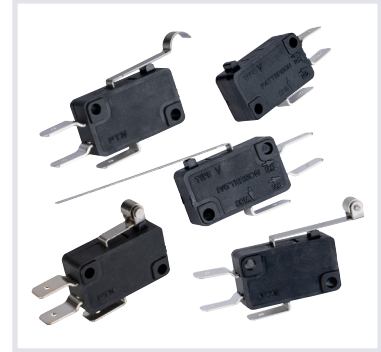
## TERMINALS

Type	Quick Connect Tab
Width	6.35mm (1/4in.)
Depth (Thickness)	0.8mm

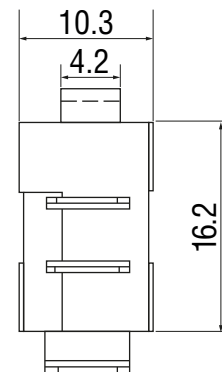
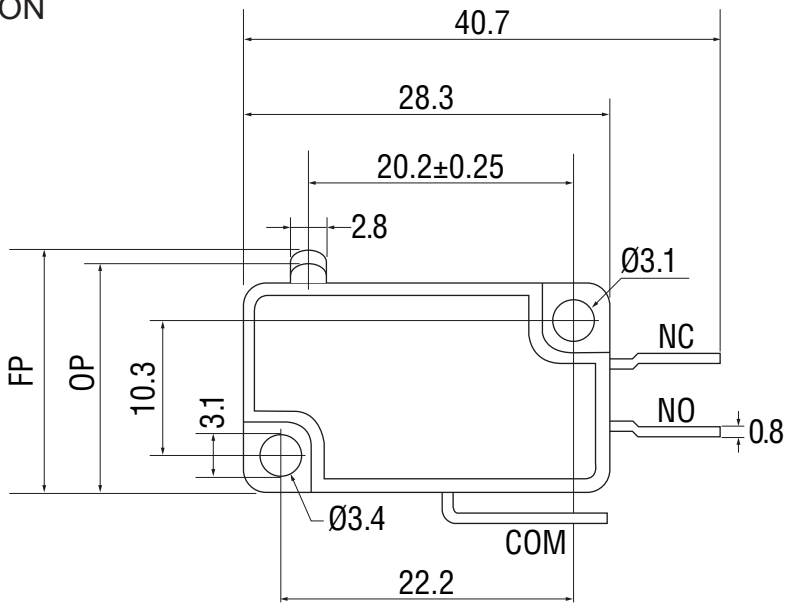


## DIMENSIONS/DRAWINGS

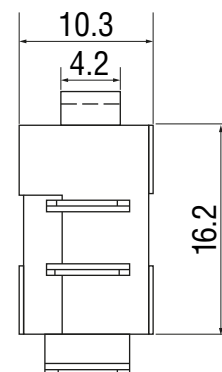
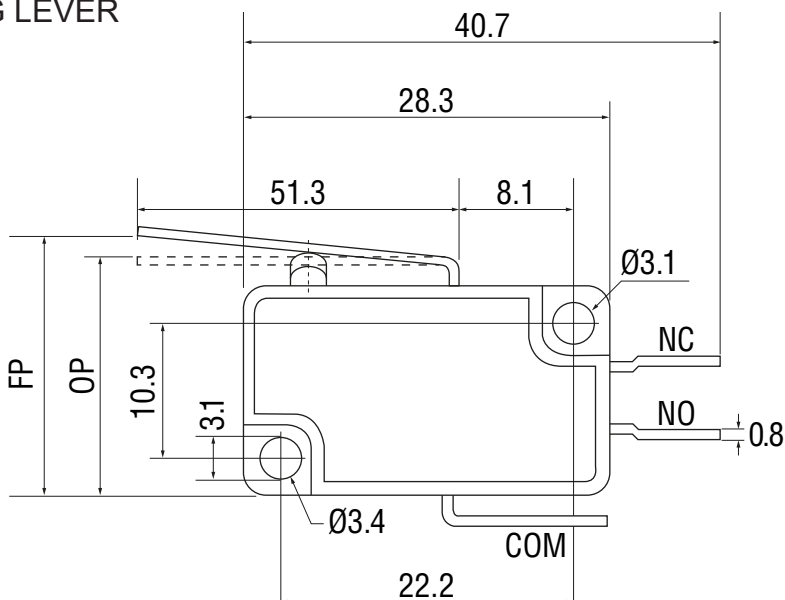
Units	mm - unless stated otherwise
Dimensions	28.3 x 16.20 x 10.3
Weight	See part number table page 6



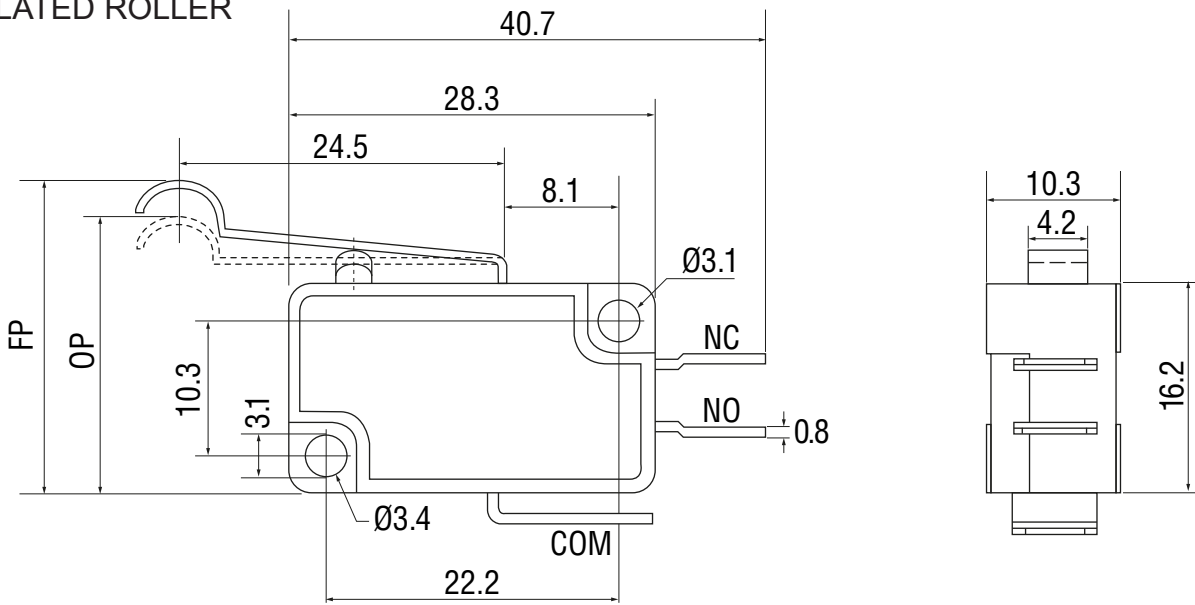
### BUTTON



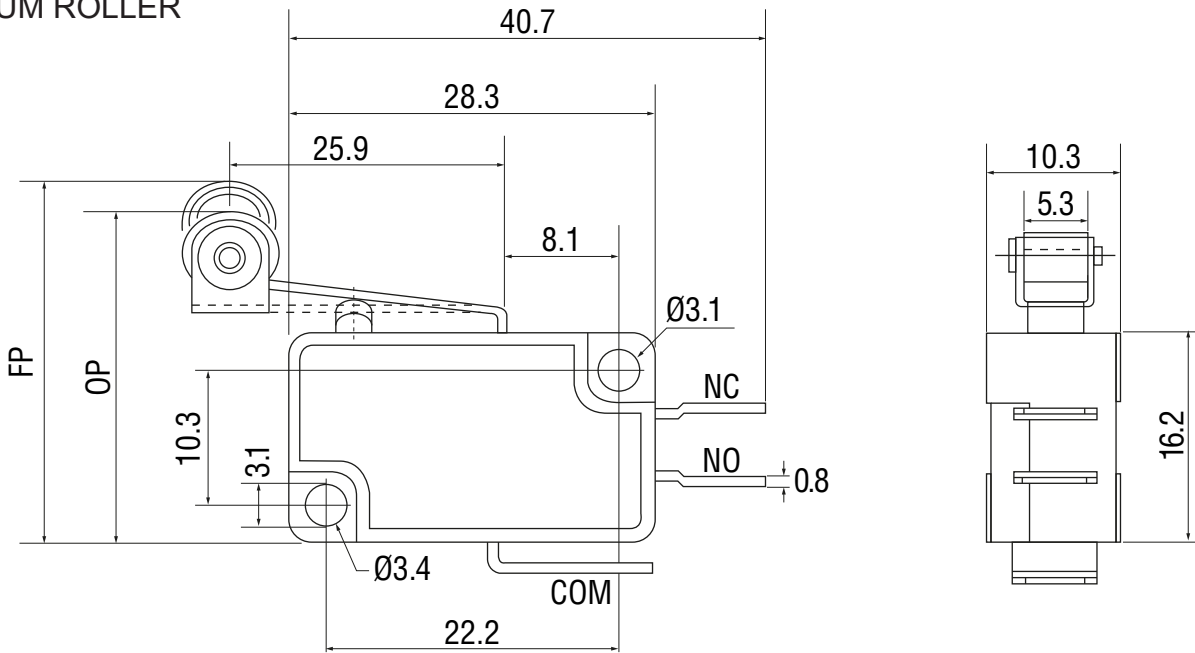
### LONG LEVER



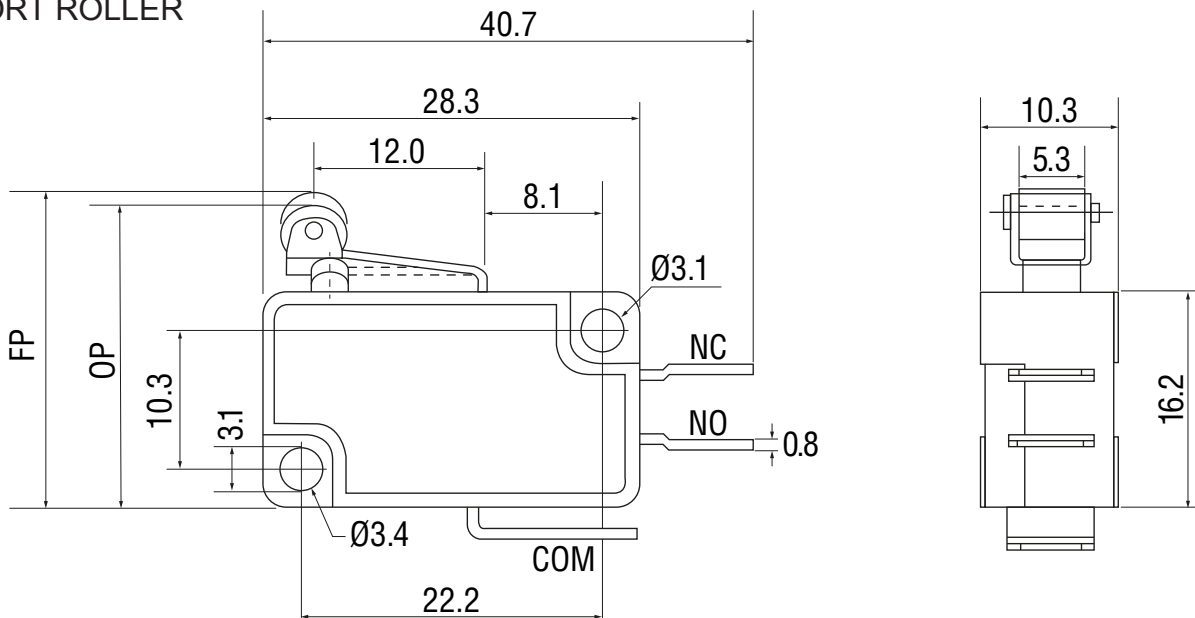
SIMULATED ROLLER



MEDIUM ROLLER



SHORT ROLLER





## OPTIONS (MOQ may apply)

Heat Resistant	-25°C ~ 180°C
Terminals	Quick Connect Tab, 6.35mm (1/4in.) connector or solder
Actuator	Lever Length
Contacts	NO or NC type



## PART NUMBER TABLE

Part Number	Actuator	Operating Force (max) (g)	Release Force (g)	Pretravel (mm)	Differential Movement (mm)	Free Position (FP) max	Operating Position (OP)	Weight (g)
<b>52-4537</b>	Button	160	28	1.2	0.15-0.4	15.9	14.7+ 0.4mm	6.1
<b>52-4538</b>	Long Lever	60	7	7.6	2.2	22.8	15.2+2.6mm	7
<b>52-4539</b>	Simulated roller	100	10	2.5	1.2	20.7	18.2+1.2mm	7
<b>52-4540</b>	Medium Roller	100	10	3.3	1.2	24.0	20.7+ 1.2mm	7.7
<b>52-4541</b>	Short Roller	160	17	1.5	0.5	22.2	20.7+ 0.6mm	7.1

Part Number	EAN	UNSPSC	Country of origin
<b>52-4537</b>	5053556004928	39122243	Taiwan
<b>52-4538</b>	5053556004935	39122243	Taiwan
<b>52-4539</b>	5053556004942	39122243	Taiwan
<b>52-4540</b>	5053556004959	39122243	Taiwan
<b>52-4541</b>	5053556004966	39122243	Taiwan



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