

## GENERAL-PURPOSE MICRO SWITCHES S20 SERIES

### Features

- 5 current ratings
- Choice of actuator styles
- 3 terminal types (optional screw terminals available — consult factory)
- 3 contact arrangements
- Long-life coil spring mechanism
- High-temperature 150°C and 200°C available on select models (consult factory)

### Specifications

#### Electrical

Electrical Rating:	20A, 125/250VAC; 1HP, 125VAC 2HP, 250 VAC
Temperature Rating:	105°C Std. (150°C and 200°C optional)
Flammability Rating:	UL94-V0

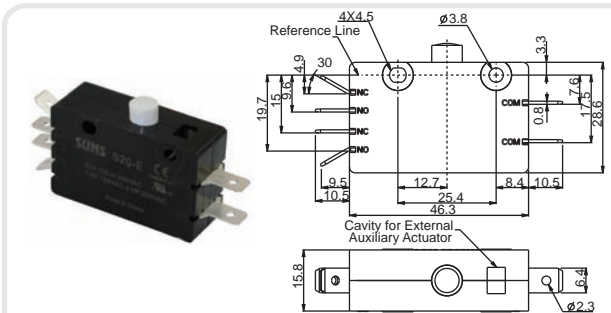
#### Materials

Case:	General Purpose Phenolic
Actuating Button:	Thermoplastic Nylon
Common Terminals:	Silver-Plated Brass
NO and NC Terminals:	Silver-Plated Brass
Moving Blade:	Silver-Plated Beryllium Copper
Spring:	Stainless Steel
Auxiliary Actuators:	Cold-Rolled Steel (Nickel-Plated)
Roller:	Sintered Stainless Steel
Contacts:	Silver-Cadmium Oxide

### Definitions of Operating Characteristics

OF	Operating Force	PT	Pretravel
RF	Releasing Force	MD	Movement Differential
OT	Overtravel	OP	Operating Position
TT	Total Travel		

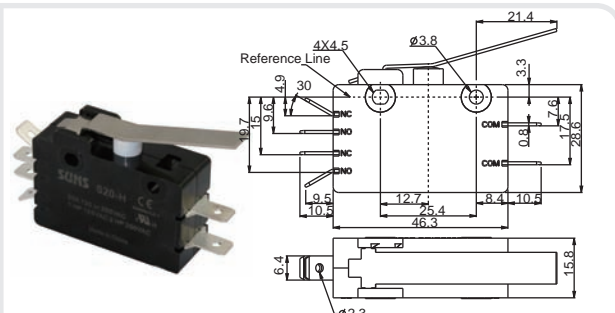
### Dimensions Unit: mm



#### S-20E

##### Operating Characteristics

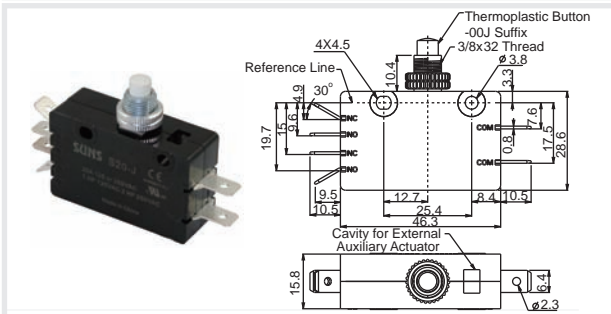
OF(Max):	1280g	OT(Min):	1.27mm(0.050inch)
PT(Max):	2.54mm(0.100inch)	MD(Max):	0.38mm(0.015inch)
		OP:	6.30±0.76mm(0.248± 0.030inch)



#### S-20H

##### Operating Characteristics

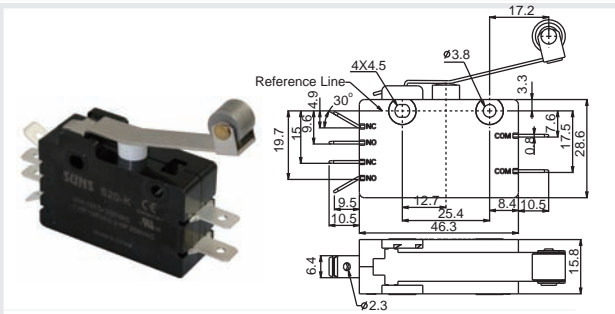
OF(Max):	425g	OT(Min):	3.96mm(0.156inch)
PT(Max):	8.38mm(0.330inch)	MD(Max):	20.85mm(0.821inch)
		OP:	11.89±1.57mm(0.468± 0.062inch)



#### S-20J

##### Operating Characteristics

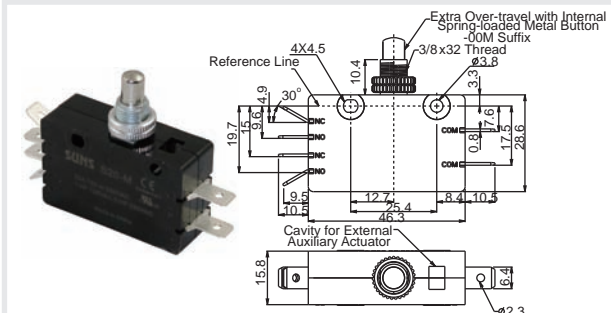
OF(Max):	1280g	OT(Min):	1.27mm(0.050inch)
PT(Max):	2.54mm(0.100inch)	MD(Max):	0.38mm(0.015inch)
		OP:	16.00±0.76mm(0.630± 0.030inch)



#### S-20K

##### Operating Characteristics

OF(Max):	425g	OT(Min):	3.96mm(0.156inch)
PT(Max):	8.84mm(0.348inch)	MD(Max):	1.14mm(0.045inch)
		OP:	21.84±1.57mm(0.860± 0.062inch)



#### S-20M

##### Operating Characteristics

OF(Max):	1280g	OT(Min):	4.78mm(0.188inch)
PT(Max):	2.54mm(0.100inch)	MD(Max):	0.38mm(0.015inch)
		OP:	19.66±0.76mm(0.774± 0.030inch)

#### Note #1:

2NO OR 2NC is available as request, please add "1" or "2" after the model  
 Example: S-20E1: 2NO  
 S-20E2: 2NC

#### Note #2:

With respect to operating sequence, pole 1 or 2 may operate first (virtually same time). If pole 1 or 2 must always operate in a particular sequence please contact us.