

TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS

SERIES MS SWITCHES

SNAP ACTION SWITCHES - MINIATURE

**c** **AL** **us**

SPECIFICATIONS

Contact Rating:	Gold .4VA max. @ 20 VDC or VAC Max.
	5 Amps @ 125/250 VAC-UL, CUL
	5 Amps @ 125/250 VAC-UL, CUL
Life Expectancy:	50,000 cycles minimum
Mechanical Life:	1,000,000 cycles typical
Insulation Resistance:	100 MΩ min.
Dielectric Strength:	1,000 VAC for 60 seconds
Operating Force:	See Chart

FEATURES & BENEFITS

- ▶ Available in gold & 5 amp versions
- ▶ Wide variety of actuator, operating force & termination options

APPLICATIONS/MARKETS

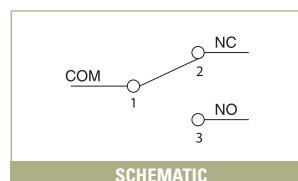
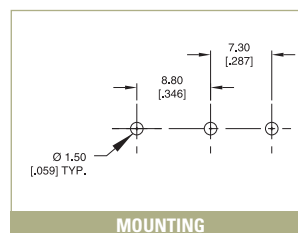
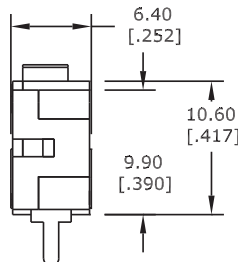
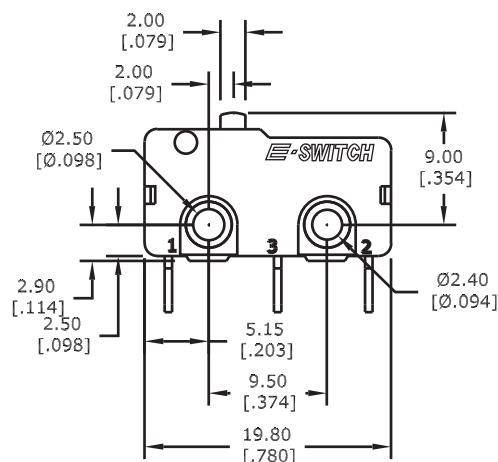
- ▶ Appliance
- ▶ Timing controls
- ▶ Vending machines
- ▶ Gaming
- ▶ Industrial controls
- ▶ Power tools

HOW TO ORDER

SERIES	OPERATING TEMP.	CURRENT RATING	ACTUATOR	OPERATING FORCE	TERMINATION	CIRCUIT
MS						

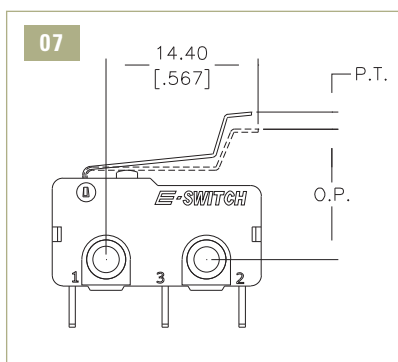
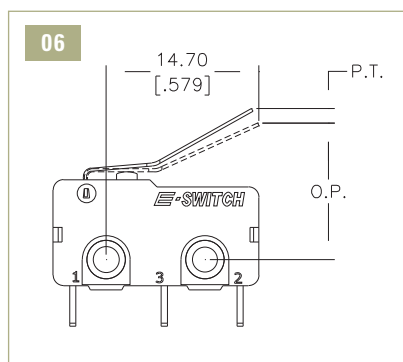
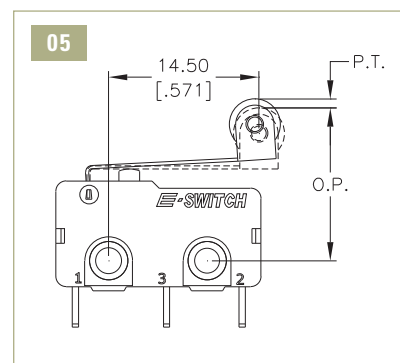
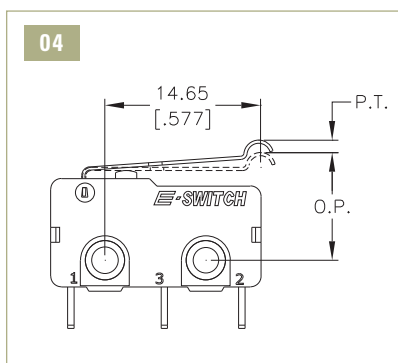
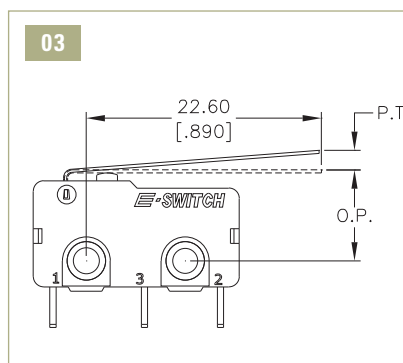
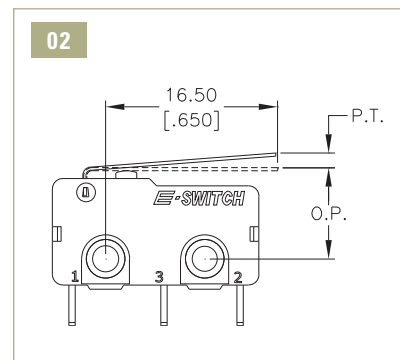
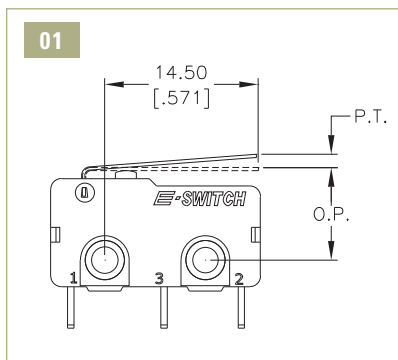
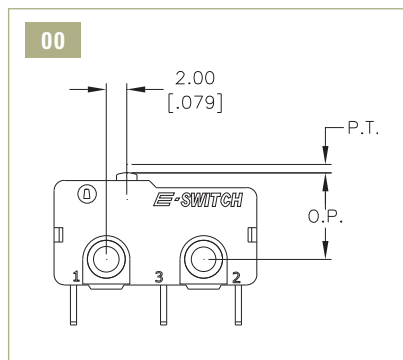
▶ ▶ ▶ **Example Ordering Number**
MS-085-R1-00-F130-S1-A

Specifications subject to change without notice. 11.16.2021





ACTUATOR OPTIONS

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ACTUATOR AND OPERATING FORCE CHART

Actuator	Actuation/Return Force									
	60+/-25	80+/-25	95+/-30	115+/-40	130+/-40	150+/-40	175+/-45	190+/-45	250+/-50	295+/-55
00	60+/-25	80+/-25	95+/-30	115+/-40	130+/-40	150+/-40	175+/-45	190+/-45	250+/-50	295+/-55
01	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	45+/-20	50+/-20	55+/-25	70+/-25	85+/-30
02	15+/-6	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	45+/-20	50+/-20	65+/-25	75+/-25
03	10+/-5	15+/-6	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	55+/-25	60+/-25	---
04	15+/-6	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	45+/-20	50+/-20	65+/-25	75+/-25
05	15+/-6	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	45+/-20	50+/-20	65+/-25	75+/-25
06	15+/-6	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	45+/-20	50+/-20	65+/-25	75+/-25
07	15+/-6	20+/-8	25+/-12	30+/-12	35+/-20	40+/-20	45+/-20	50+/-20	65+/-25	75+/-25

Actuator	Operating Position	
	Pre-Travel	Operating Position
00	1.1 max	8.5+/-0.3
01	3.6 max	9.1+/-0.8
02	3.8 max	9.1+/-0.8
03	4.4 max	9.5+/-0.8
04	3.2 max	10.9+/-1.0
05	4.0 max	14.9+/-1.0
06	4.1 max	13.9+/-1.5
07	5.0 max	12.5+/-1.5

PT= Pretravel OP= Operating Point OT= Over Travel

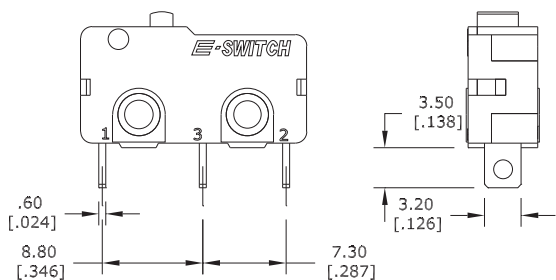


SERIES MS SWITCHES

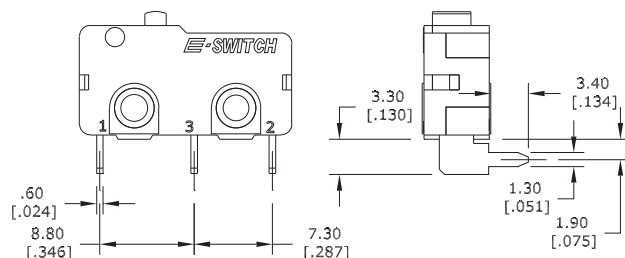
SNAP ACTION SWITCHES - MINIATURE

TERMINATION OPTIONS

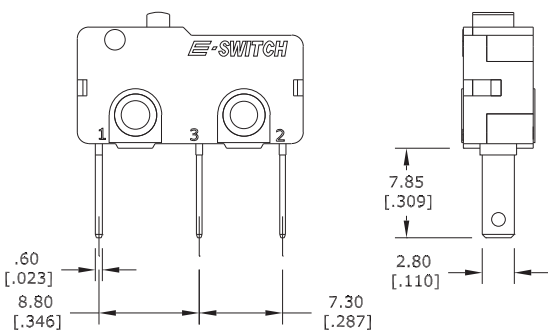
S1 SOLDER LUG



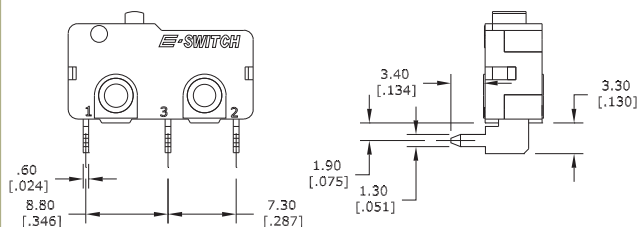
V1 RIGHT ANGLE PCB PIN



C1 0.110" QUICK CONNECT



V2 LEFT ANGLE PCB PIN



P1 PCB TERMINALS

