

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

SERIES MS SWITCHES

SNAP ACTION SWITCHES - MINIATURE



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

SPECIFICATIONS

Contact Rating: Gold .4VA max. @ 20 VDC or VAC Max.
5 Amps @ 125/250 VAC-UL, CUL
5 (1) Amp, 250 VAC VDE

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 Temperature: -25° C to 85° C (std)

Operating Force: See Chart

MATERIALS

Switch Housing: High Temperature PBT (UL94 V-0)

Actuator Button: High Temperature PBT (UL94 V-0)

Contacts: Silver (std) or Gold

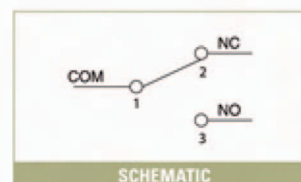
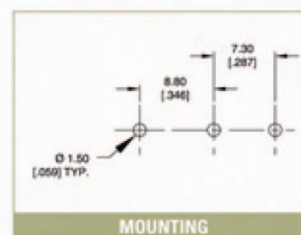
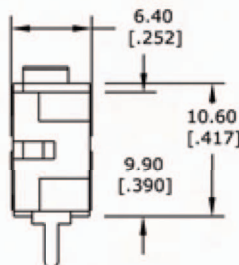
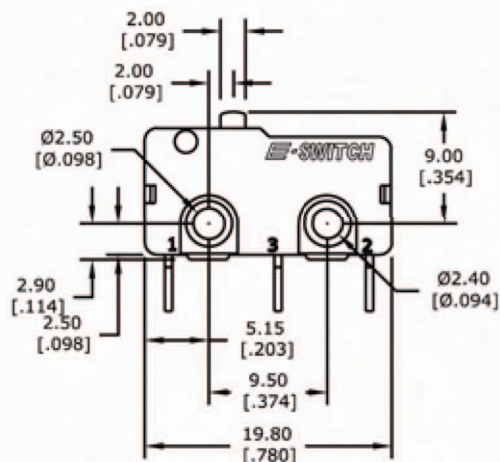
Terminals: Copper Alloy

HOW TO ORDER

SERIES	OPERATING TEMP.	CURRENT RATING	ACTUATOR	OPERATING FORCE	TERMINATION	CIRCUIT
MS	085 = 85C	R1 = Gold 05 = 5A	See Chart	See Chart	S1 = Solder Lug C1 = 0.110" Quick Connect P1 = PCB Pin V1 = Right Angle PCB Pin V2 = Left Angle PCB Pin	A = SPDT C = SPST NO

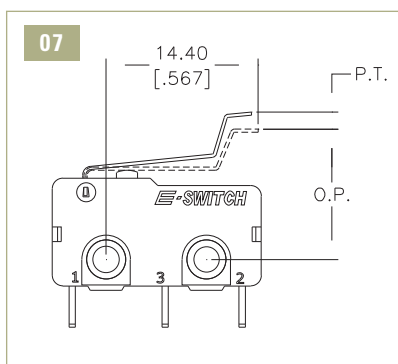
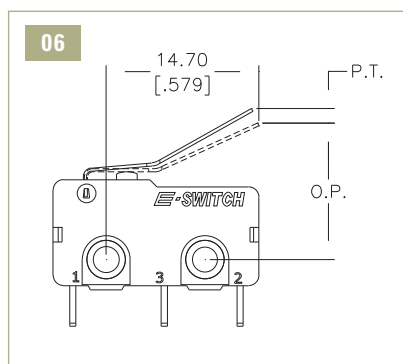
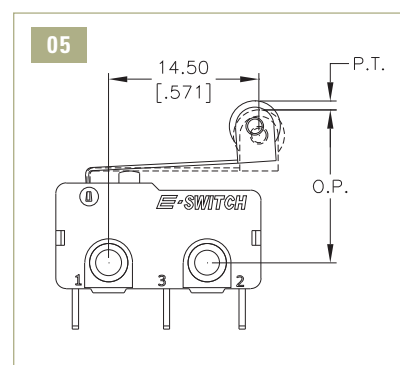
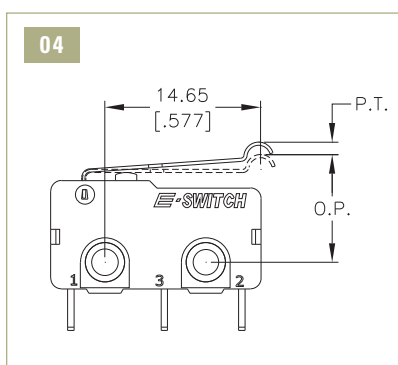
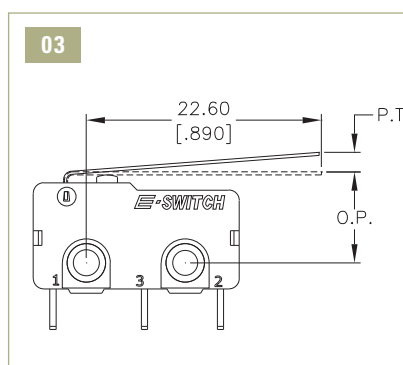
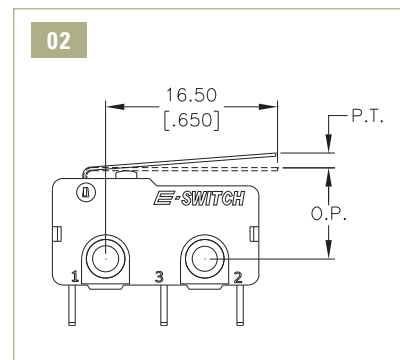
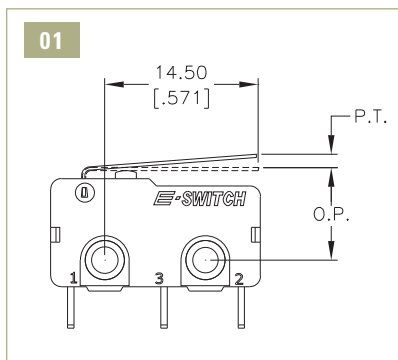
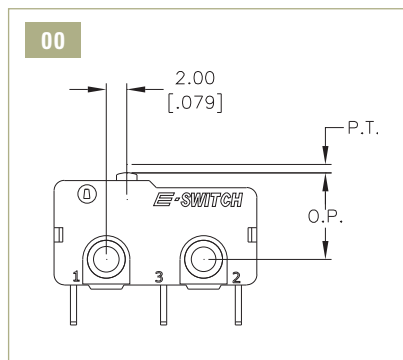
Example Ordering Number
MS-085-R1-00-F130-S1-A

Specifications subject to change without notice.





ACTUATOR OPTIONS

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ACTUATOR AND OPERATING FORCE CHART

Actuator	Actuation/Return Force									
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	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

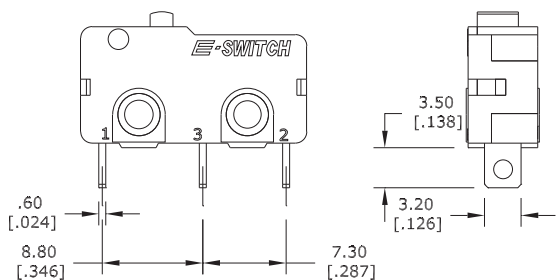


SERIES MS SWITCHES

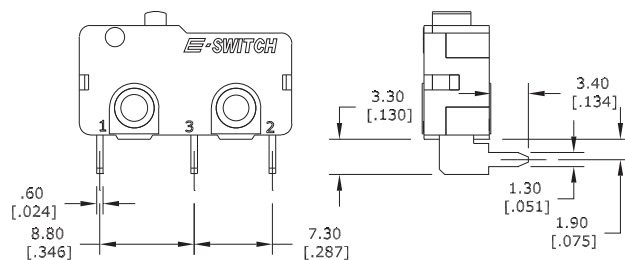
SNAP ACTION SWITCHES - MINIATURE

TERMINATION OPTIONS

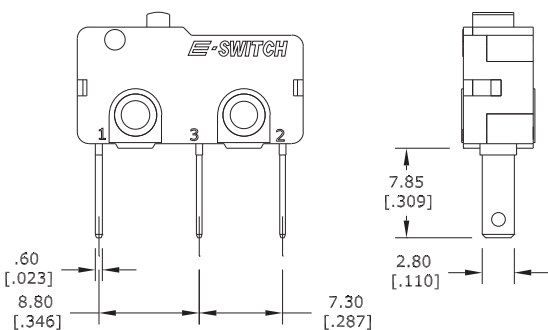
S1 SOLDER LUG



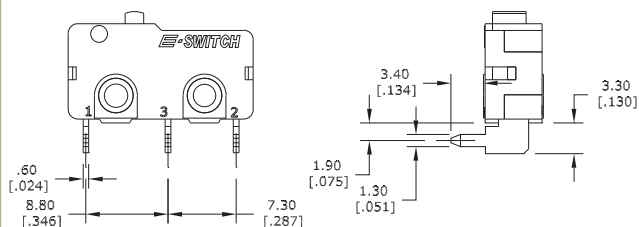
V1 RIGHT ANGLE PCB PIN



C1 0.110" QUICK CONNECT



V2 LEFT ANGLE PCB PIN



P1 PCB TERMINALS

