

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

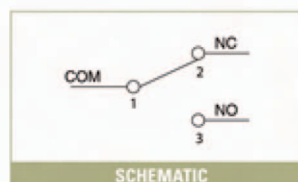
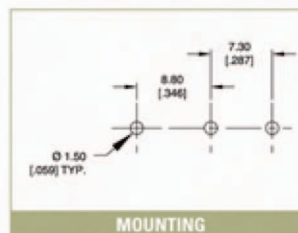
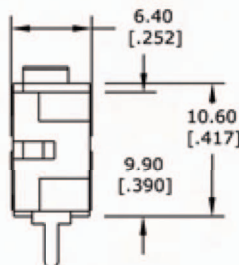
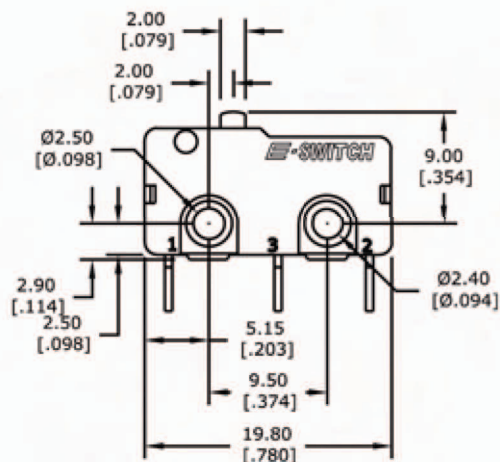
Terminals: Copper Alloy

HOW TO ORDER

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

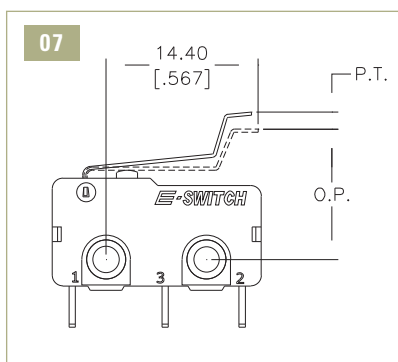
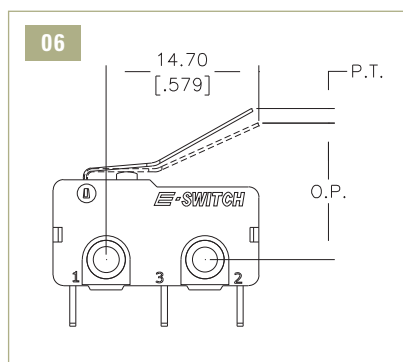
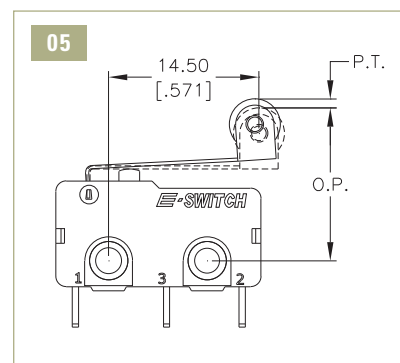
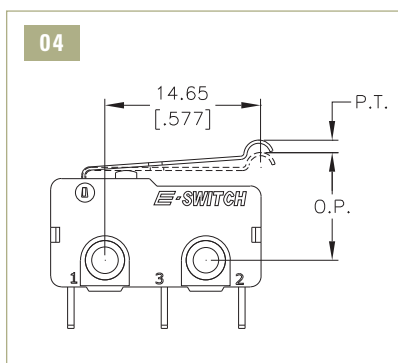
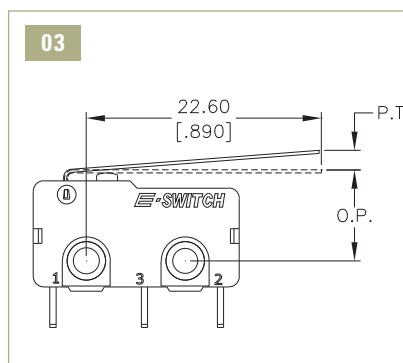
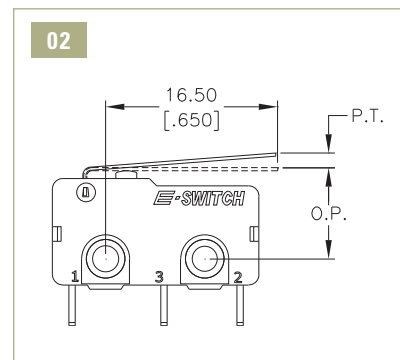
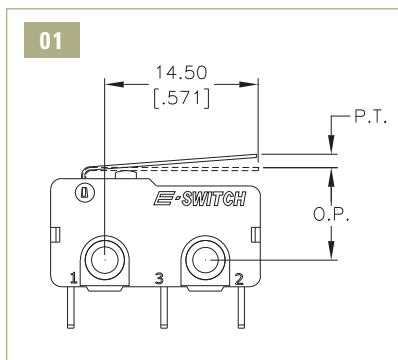
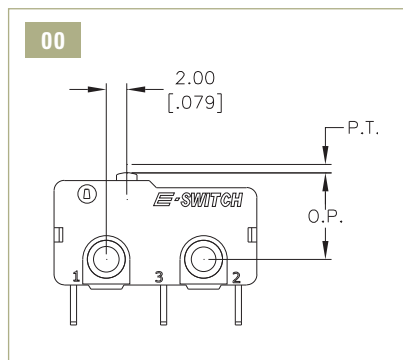
Example Ordering Number
MS-085-R1-00-F130-S1-A

Specifications subject to change without notice.





ACTUATOR OPTIONS

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ACTUATOR AND OPERATING FORCE CHART

Actuator	Actuation/Return Force									
	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

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SWITCHES

PUSHBUTTON
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TOGGLE
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ROCKER
SWITCHES

SLIDE
SWITCHES

SNAP-ACTION
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

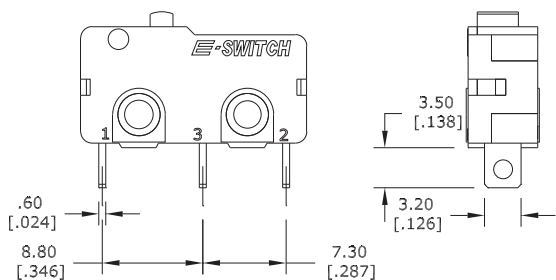
ROTARY
SWITCHES

DETECTOR
SWITCHES

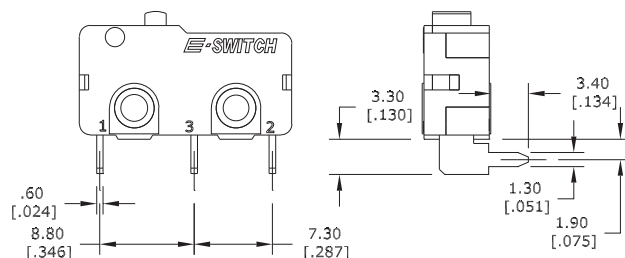
CAP
OPTIONS

TERMINATION OPTIONS

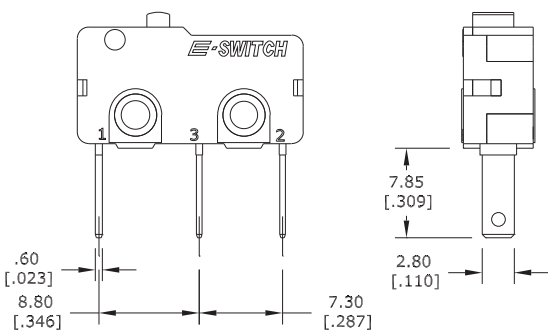
S1 SOLDER LUG



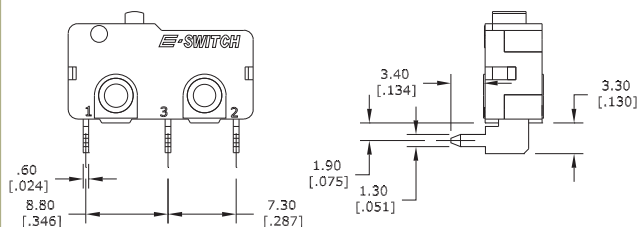
V1 RIGHT ANGLE PCB PIN



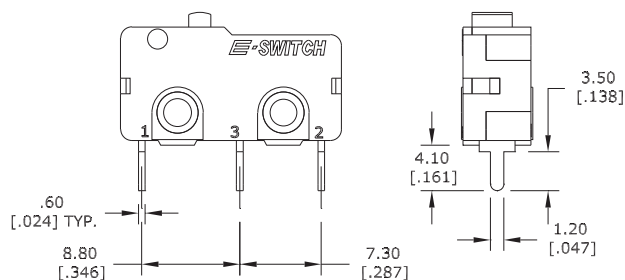
C1 0.110" QUICK CONNECT



V2 LEFT ANGLE PCB PIN



P1 PCB TERMINALS



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

E-Switch:

MS0850500F150C1A	MS0850505F050P1A	MS0850502F050S1A	MS0850503F010S1A	MS0850503F040S1A
MS0850502F030P1A	MS0850501F070S1A	MS0850504F035P1A	MS0850507F040S1A	MS0850503F025P1A
MS0850500F080S1A	MS0850500F060C1A	MS0850503F055P1A	MS0850503F010P1A	MS0850500F130P1A
MS0850503F025S1A	MS0850504F035S1A	MS0850505F075S1A	MS0850504F065C1A	MS0850504F020S1A
MS0850502F020S1A	MS0850504F035C1A	MS0850500F060S1A	MS0850500F295S1A	MS0850500F080P1A
MS0850500F080C1A	MS0850500F150P1A	MS0850501F045S1A	MS0850500F250S1A	MS0850501F025C1A
MS0850507F025C1A	MS0850505F050C1A	MS0850504F045P1A	MS0850505F045S1A	MS0850505F035C1A
MS0850500F060S1C	MS0850501F025V1A	MS0850502F025S1A	MS0850502F030C1A	MS0850502F045V2A
MS0850504F050S1A	MS0850506F020P1C	MS0850506F035V1A	MS0850506F040P1A	MS085R101F040S1A
MS085R101F070S1A	MS085R102F050S1A	MS085R104F035S1A	MS085R105F040S1A	MS085R105F040S1C
MS085R105F040V2A	MS0850500F060C1C	MS0850500F080V2A	MS0850500F150V1A	MS0850501F025P1C
MS0850501F035V1A	MS0850501F045V1A	MS0850502F050V2A	MS0850502F075S1A	MS0850503F025V1A
MS0850504F020S1C	MS0850504F025P1C	MS0850504F030V1C	MS0850504F035S1C	MS0850504F035V1A
MS0850505F040V2A	MS0850505F065C1A	MS0850506F035V1C	MS0850506F035V2A	MS0850506F065C1C
MS085R100F080C1C	MS085R100F150C1A	MS085R100F150V1A	MS085R100F295P1A	MS085R101F020S1C
MS085R101F035V1A	MS085R101F040S1C	MS085R101F045P1C	MS085R101F070C1A	MS085R101F085S1A
MS085R102F040C1C	MS085R102F045P1A	MS085R103F015V1A	MS085R103F055C1A	MS085R103F055V2A
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