

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

SERIES MS SWITCHES

SNAP ACTION SWITCHES - MINIATURE



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

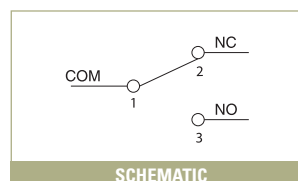
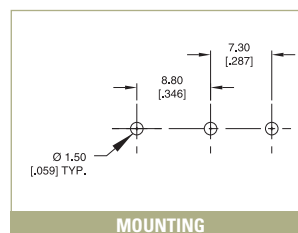
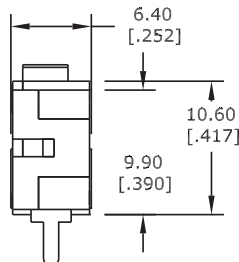
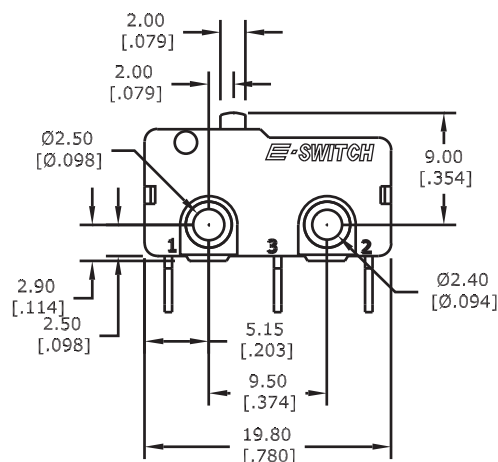
- ▶ Appliance
- ▶ Timing controls
- ▶ Vending machines
- ▶ Gaming
- ▶ Industrial controls
- ▶ Power tools

HOW TO ORDER

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

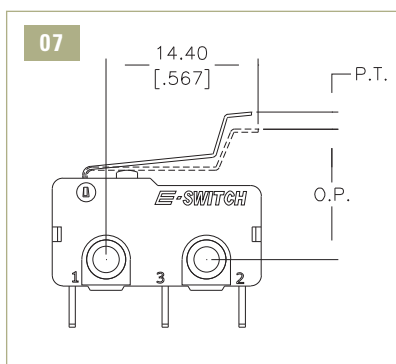
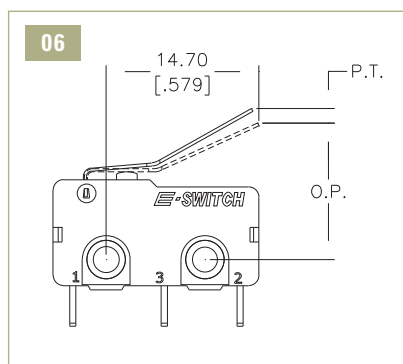
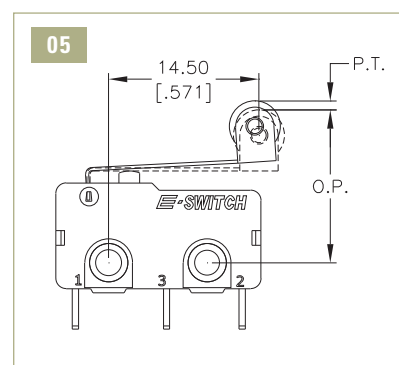
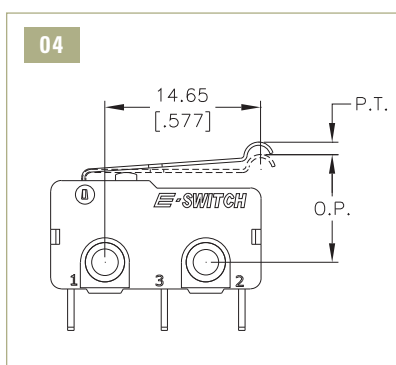
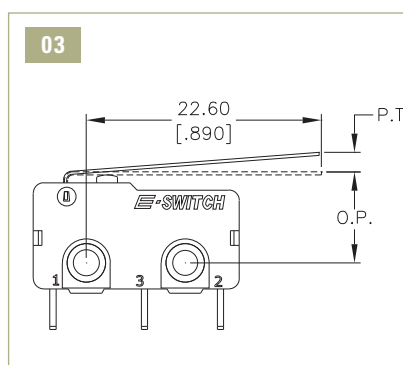
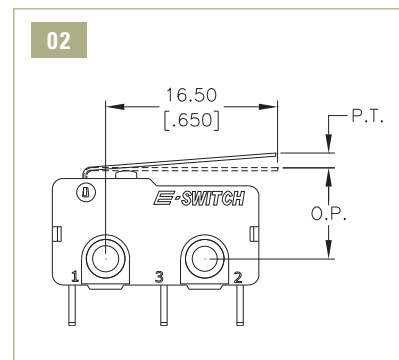
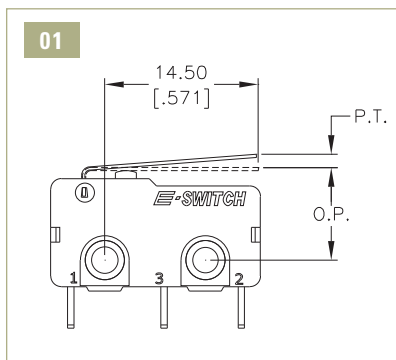
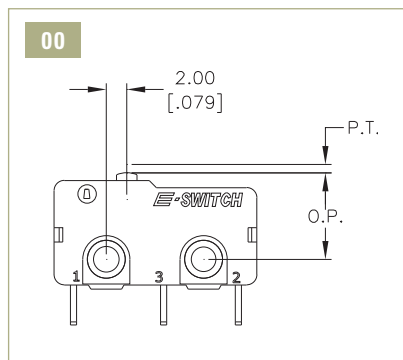
Example Ordering Number
MS-085-R1-00-F130-S1-A

Specifications subject to change without notice. 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

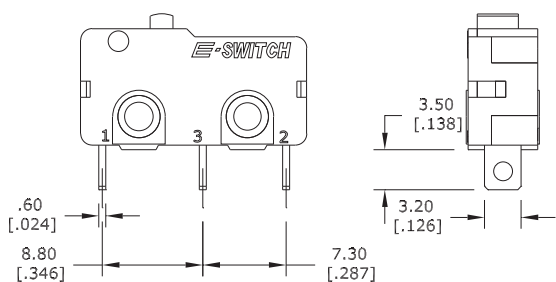
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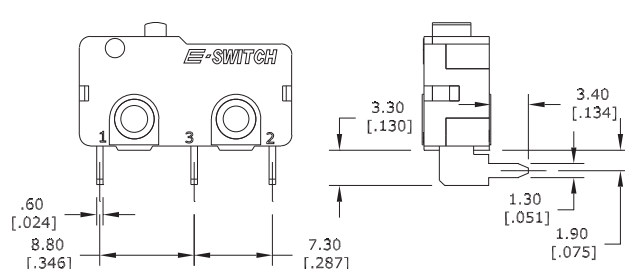
SNAP ACTION SWITCHES - MINIATURE

TERMINATION OPTIONS

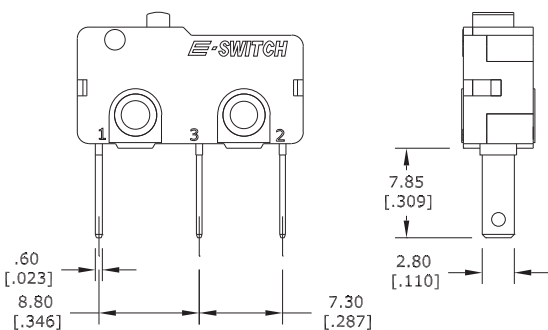
S1 SOLDER LUG



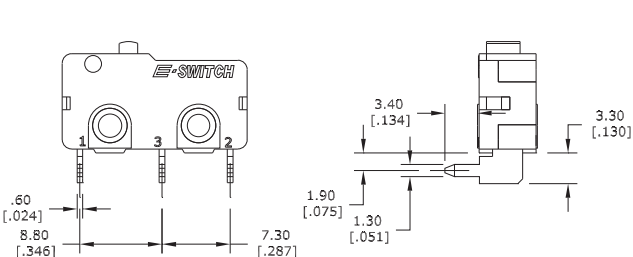
V1 RIGHT ANGLE PCB PIN



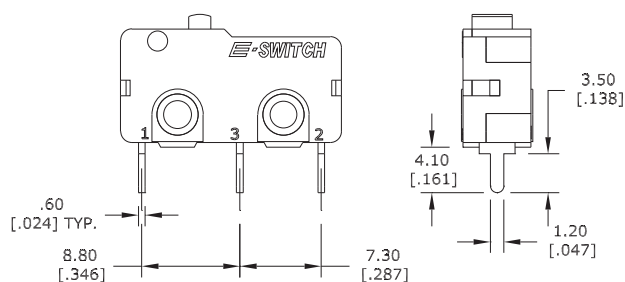
C1 0.110" QUICK CONNECT



V2 LEFT ANGLE PCB PIN



P1 PCB TERMINALS



Mouser Electronics

Authorized Distributor

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

[E-Switch:](#)

[MS0850504F020S1A](#) [MS0850501F025C1C](#) [MS0850502F01S1A](#) [MS0850509F020C1A](#) [MS085R103F06P1A](#)
[MS0850501F020V2C](#) [MS0850505F020S1A](#) [MS0850505F050S1A](#) [MS0850505F050V1A](#) [MS0850505F050V2A](#)
[MS0850505F015C1C](#) [MS0850505F030S1A](#) [MS0850503F030S1A](#)