Features/Benefits

- Reliable snap-acting mechanism
- Long electrical and mechanical life
- Various PCB terminals and actuators
- RoHS compatible
- IP67 with potted wires only

Typical Applications

- Communication devices
- Testing equipment
- Security/Alarm systems



UL61058-1 c Wus

Specifications

CONTACT RATING: 3A@ 125 V AC/ 3A@ 12 V DC, 0.01 A@ 12 V DC. ELECTRICAL LIFE: 100,000 cycles @ 0.01 A, 12 V DC / 100,000

cycles @ 3A, 12 V DC, 6,000 cycles @ 3A, 125 VAC INSULATION RESISTANCE: 100 M ohm min.

DIELECTRIC STRENGTH: 500 Vrms.

OPERATING TEMPERATURE: see chart below.

OPERATING FORCE: 130 grams.

 * Low Level=conditions where no arcing occurs during switching, i.e., 0.4 VA max. @ 20 V AC or DC max.

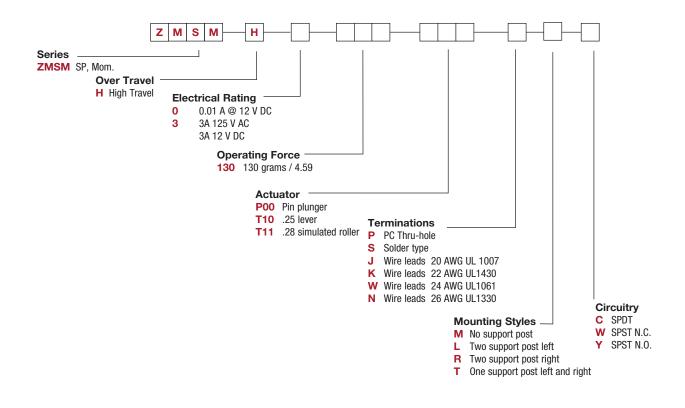
Materials

CASE: Nylon COVER/ACTUATOR: PBT MOVABLE CONTACTS: 3 Amp silver, 0.01A gold STATIONARY CONTACTS: 3 Amp silver, 0.01A gold TERMINALS: Brass, Pre-plated with silver LEVER: Stainless steel

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages J-62 through J-64. For additional options not shown in catalog, consult Customer Service Center.

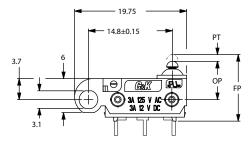




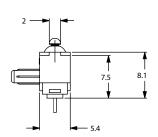
SERIES

ZMSMH HIGH OVER TRAVEL





MODEL SHOWN: ZMSMHXXXXP00PLC



ELECTRICAL RATING

			CONTACT MATERIAL	
OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	MOVABLE CONTACT STATIONARY CONTACT	ELECTRICAL RATING
0	Yes	Yes	Gold alloy	0.01 A @ 12 V DC
3	Yes	Yes	Silver alloy	3 AMPS @ 125 V AC 3 AMPS @ 12 V DC

Model **C** with option "S" (solder type) only.

Consult Customer Service center for availability and delivery of nonstandard ratings.

OPERATING FORCE

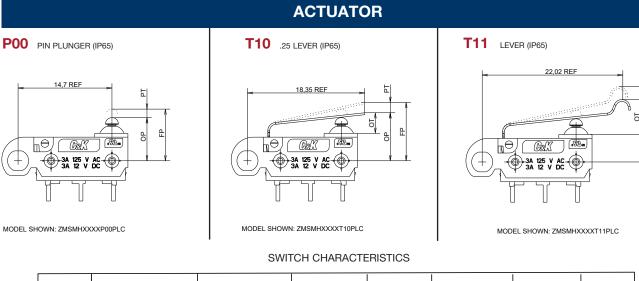
OPTION CODE	BASIC SWITCH OPERATING FORCE (OZ./GRAMS)		
130	<u>130</u> 4.59		



Specifications and dimensions subject to change

Dimensions are shown: mm

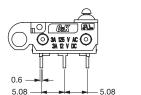
Third Angle Projection



Actuator code	Maximum Operate Force (grams/oz.)	Minimum Release Force (grams/oz.)	Free Position Max (mm)	Maximum Pre-travel (mm)	Operate Position (mm)	Maximum Differential (mm)	Overtravel min. (mm)
P00	130 4.59	13 0.45	7.35	0.8	6.75 ± 0.3	0.3	1.75
T10	195 6.88	55 1.93	10.70	3.85	7.40 ± 0.8	0.5	2.3
T11	160 5.64	45 1.58	13.80	4.8	9.90 ± 0.8	0.7	2.6

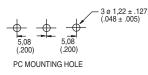


P PC THRU-HOLE (IP65)

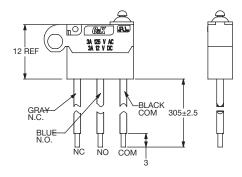




MODEL SHOWN: ZMSMHXXXXP00PLC



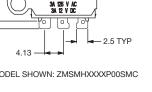
J, K, W, N WIRE LEADS BOTTOM (IP67)



Standard Wire: 20 AWG UL 1007

Available options - must specify J - 20AWG UL1007 (Standard)

- K 22AWG UL1430
- W 24AWG UL1061
- N 26AWG UL1330



(AL



MODEL SHOWN: ZMSMHXXXXP00SMC

S SOLDER TYPE (IP65)

Third Angle Projection

F

6

ĥ

Dimensions are shown: mm Specifications and dimensions subject to change

30 Apr 2019

MOUNTING STYLES M NO SUPPORT POSTS T ONE SUPPORT POST L TWO SUPPORT POSTS LEFT **R** TWO SUPPORT POSTS RIGHT LEFT & RIGHT $\left[O \right]$ ł 5 TYP Į Car AL ZMS Ð **K**+ <u>_</u> **◯** 34 125 V AC 34 12 V DC \odot 6 3A 125 V AC () 3A 12 V DC (+(+)3A 125 V AC 3A 12 V DC Ø2.6 TYP Ø2.2 TYP -POSTS LEFT POSTS RIGHT LEFT & RIGHT MODEL SHOWN: ZMSMHXXXXP00PLC MODEL SHOWN: ZMSMHXXXXP00PRC MODEL SHOWN: ZMSMHXXXXP00PTC MODEL SHOWN: ZMSMHXXXXP00PMC

CIRCUITRY

С SPDT (Single Pole, Double Throw)

Snap-acting

- W SPST, NC (Single Pole, Single Throw, Normally Closed)
- Υ SPST, NO (Single Pole, Single Throw, Normally Open)



Dimensions are shown: mm Specifications and dimensions subject to change

-2



Mouser Electronics

Authorized Distributor

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

C&K Switches:

ZMSML0130T10PM0	ZMSMH3130T10PMC	ZMSML3130T10SMC	ZMSMH0130T11PMC	ZMSMH3130P00PMC
ZMSMH3130T11SMC	ZMSML0130P00PMC	ZMSML0130T11SMC	ZMSMH0130T10PMC	ZMSML3130P00SMC
ZMSMH3130T10SMC	ZMSML0130T10SMC	ZMSML3130T11PMC	ZMSMH3130P00SMC	ZMSMH0130T10SMC
ZMSMH3130T11PMC	ZMSMH0130P00SMC	ZMSMH0130T11SMC	ZMSMH0130P00PMC	ZMSML0130P00SMC
ZMSML3130T10PMC	ZMSML0130T11PMC	ZMSML3130P00PMC	ZMSMH3130T10SRC	ZMSMH3130T11SRC
ZMSMH0130P00PLC	ZMSMH3130P00PLC			