

# MICRO SWITCH™ ZM Series Subminiature Switch

## Product Nomenclature

**Honeywell**

For example, a **ZM50E10E01** part number would define a MICRO SWITCH™ ZM Series subminiature switch with a simulated roller lever, rated at 5 A, SPDT, 146 g max. operating force, and straight solder terminals



**ZM**  
Switch Type  
**ZM Series**  
Subminiature  
Basic  
Switch

**50**  
Current Rating

<b>10</b>	0.1 A 125 Vac (Gold-plated contacts)
<b>50</b>	5 A; 125 Vac/ 250 Vac
<b>90</b>	10.1 A; 125 Vac/ 250 Vac <sup>1</sup>

**E**  
Operating Force  
(at pin plunger)

<b>B</b>	60 g max.
<b>D</b>	104 g max.
<b>E</b>	146 g max.
<b>G</b>	249 g max.

**10**  
Terminal Type

<b>10</b>	Solder, straight
<b>20</b>	PCB, straight
<b>50</b>	PCB, right angle
<b>60</b>	PCB, left angle
<b>70</b>	Quick connect 0.110 in
<b>99</b>	SPECIAL <sup>2</sup>

**E**  
Actuator Type  
(Integral Levers)

<b>A</b>	Pin plunger
<b>B</b>	Short straight lever, 16,7 mm [0.66 in] length
<b>C</b>	Standard straight lever, 18,7 mm [0.74 in] length
<b>D</b>	Long straight lever, 24,8 mm [0.98 in] length
<b>E</b>	Std sim. roller lever, 18,0 mm [0.71 in] length R 2,75 mm
<b>F</b>	Roller lever, 16,6 mm [0.65 in] length Ø4,8 mm roller
<b>H</b>	Small sim. roller lever, 17,9 mm [0.70 in] length R 1,3 mm
<b>J</b>	Extended straight lever, 55,2 mm [2.17 in] length
<b>K</b>	Straight lever, 35,2 mm [1.39 in] length
<b>L</b>	L-shaped lever, 31,5 mm [1.24 in] length
<b>M</b>	Large sim. roller lever, 21,1 mm [0.83 in] length R 2,45 mm
<b>S</b>	SPECIAL lever <sup>2</sup>

**01**  
Circuitry

<b>01</b>	SPDT
<b>03</b>	SPNO
<b>04</b>	SPNC

**—**  
Special Designator<sup>2</sup>

A special designator character(s) is used when there is a special modification to the switch. A special designator is required when Terminal Type is "99" or Actuator Type is "S".

Not all combinations of model code are available.  
Please contact your Honeywell representative or distributor for assistance.

### NOTES:

<sup>1</sup> Switches with 10.1 A rating are only available with "G" operating force.

<sup>2</sup> Terminal Type "99" or Actuator Type "S" designates a special and therefore requires a special designator character(s) at the end of the listing.