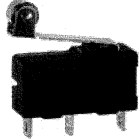



## Z Series and V7 Series Basic Switches Nomenclature Charts

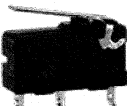
mm [in]

ZM	50	E	10	A	01																																																							
Switch type (Notes 1, 4) <b>ZM Series</b> Subminiature	Current rating	Operating force (at pin/plunger)	Terminal type	Actuator type (Note 5) (integral levers)	Circuitry	Special Designator																																																						
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**NOTES**  
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 (2) Switches with 10.1 A rating are only available with "G" operating force.  
 (3) Terminal type "99" or actuator type "S" designates a special and therefore requires a special designator letter at the end of the listing.  
 (4) Establishing new nomenclature may require notification to UL and European approvals agencies.  
 (5) Lever length dimension is measured as follows: straight lever - from the center line of the pivot to the end of the plunger; roller lever or simulated roller lever - from the center line of the pivot point to the center line of the roller diameter.

ZW	50	F	15	A	D	1																																															
Switch type (Notes 1, 4) <b>ZW Series</b> Sealed Subminiature	Current rating	Operating force (at pin/plunger)	Terminal type	Actuator type (Note 5) (levers mounted externally)	Construction	Circuitry	Special Designator																																														
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 (2) Terminal type "99" or actuator type "S" designates a special and therefore requires a special designator letter at the end of the listing.  
 (3) Applies only to terminal type "90"/Cable termination type "90" must use "A" or "W" construction.  
 (4) Establishing new nomenclature may require notification to UL and European approvals agencies.  
 (5) Lever length dimension is measured as follows: straight lever - from the center line of the pivot to the end of the plunger; roller lever or simulated roller lever - from the center line of the pivot point to the center line of the roller diameter.

ZV	50	D	10	A	01																																															
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**NOTES**  
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 (2) Switches with 10.1 A rating should only use "H" operating force to comply with VDE life cycle testing.  
 (3) Terminal type "99" or actuator type "S" designate a special termination and therefore requires a special designator letter at the end of the listing.  
 (4) Establishing new nomenclature may require notification to UL and European approvals agencies.  
 (5) Lever length dimension is measured as follows: straight lever - from the center line of the pivot to the end of the plunger; roller lever or simulated roller lever - from the center line of the pivot point to the center line of the roller diameter.

<b>ZX</b>	<b>10</b>	<b>E</b>	<b>10</b>	<b>A</b>	<b>01</b>	
Switch type <small>(Notes 1, 4)</small>	Current rating	Operating force	Terminal type	Actuator type <small>(Note 3)</small> <i>(Integral levers)</i>	Circuitry	Special Designator
ZX Series Subminiature	<b>10</b> 0.1 A: 48 Vdc (gold-plated) <b>40</b> 3 A: 125 Vac (silver)	<b>C</b> 90 g max. <b>E</b> 150 g max.	<b>10</b> Solder straight <b>30</b> PCB snap-in <b>50</b> PCB right angle <b>60</b> PCB left angle <b>99</b> Special <small>(Note 2)</small>	<b>A</b> Pin plunger <b>B</b> Short straight lever 10.0 [0.39] <b>C</b> Standard straight lever 13.0 [0.51] <b>E</b> Simulated roller lever 11.8 [0.47] <b>H</b> Small simulated roller lever 15.0 [0.58] <b>J</b> Longest straight lever 30.0 [1.18] <b>S</b> Special lever <small>(Note 2)</small>	<b>01</b> SPDT UL, CE CSA	A special designator letter is used only when terminal type is "99" or actuator type is "S" to specify that the termination or the actuator of the switch is special. Review product specification to determine the exact differences.



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<b>V7</b>	<b>1</b>	<b>C</b>	<b>1</b>	<b>7</b>	<b>D8</b>	<b>-201</b>	<b>-3</b>
Switch type <small>(Note 1)</small>	Operating force	Electrical rating <small>(Note 3)</small>	Circuitry code	Mounting/Constr. <small>(Note 4)</small>	Termination style <small>(in)</small>	Lever style <small>(Note 2)</small>	Special designator
V7 Series Miniature	<b>1</b> 150 g max. <b>1</b> 175 g max. V & J electrical rating <b>1</b> 225 g max. K & Z electrical rating <b>2</b> 75 g max. <b>3</b> 50 g max. <b>4</b> 25 g max. <b>5</b> 15 g max. <b>6</b> 6 oz to 14 oz max. <b>7</b> 8 oz max. <b>8</b> 85 g max. <b>9</b> 300 g max.	<b>A</b> 5 A @ 125 Vac 3 A <b>B</b> 11 A @ 125 Vac 10 A <b>C</b> 15 A @ 125 Vac - <b>D</b> 1 A @ 125 Vac 1 A <b>E</b> 10 A @ 125 Vac 5 A <b>F</b> 3 A @ 125 Vac - <b>H</b> No rating - <b>J</b> 19 A @ 125 Vac 16 A <b>K</b> 22 A @ 125 Vac 20 A <b>S</b> 0.1 A @ 125 Vac 1 A <b>V</b> 21 A @ 125 Vac 16 A <b>W</b> 15.1 A @ 125 Vac - <b>X</b> 6 A @ 125 Vac - <b>Z</b> 25 A @ 125 Vac 20 A	<b>1</b> SPDT <b>2</b> SPNO <b>3</b> SPNC	<b>3</b> 150 °C 2.9 [0.11] mtg. holes <b>4</b> 150 °C 3.1 [0.12] mtg. holes <b>7</b> 150 °C 2.9 [0.11] mtg. holes <b>8</b> 150 °C 3.1 [0.12] mtg. holes <b>9</b> 150 °C 2.9 [0.11] mtg. holes <b>0</b> 150 °C 3.1 [0.12] mtg. holes <b>A</b> 200 °C @ 5 A with 2.9 [0.11] mtg. holes	<b>D8</b> 0.187 x 0.02 quick connect <b>E8</b> 0.187 x 0.02 quick connect spread <b>D9</b> 0.250 x 0.032 quick connect <b>E9</b> 0.250 x 0.032 quick connect spread <b>P01</b> Right angle PCB <b>P02</b> Left angle PCB <b>P06</b> On end PCB <b>P07</b> SPNO on edge PCB	<b>002</b> 22.1 [0.87] straight <b>022</b> 35.6 [1.4] straight <b>201</b> 20.6 [0.81] roller <b>207</b> 34.0 [1.34] roller <b>263</b> 32.8 [1.29] simulated roller <b>266</b> 34.0 [1.34] tall simulated roller <b>048</b> 59.4 [2.34] straight <b>636</b> Paddle 139.5 [5.49]	Use only if switch has a special feature. Could be any number.



**NOTES**  
 (1) Not all possible combinations are available; these are only guidelines.  
 (2) Lever length measured from center of back mounting hole to end of straight lever or center of roller.  
 (3) All ratings are UL/CSA except where noted for European-rated ENEC versions.  
 (4) Consider the temperature required and the mounting hole size when making this selection.

Formed quick-connect terminals available

Formed levers available

**Warranty/Remedy**

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

**WARNING**

**PERSONAL INJURY**

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

**WARNING**

**MISUSE OF DOCUMENTATION**

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

**Automation and Control Solutions**

Sensing and Control

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April 2005

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