

# MICRO SWITCH BASIC SWITCH V BASICS COMPARISON

Long-term reliability in a rugged, industry-standard package.  
Sealed and unsealed options available.

SERIES	V15W2	V15W	V19	V15	V7	V3
<b>Type, Market</b>	zone 2, hazardous locations	sealed, high current capacity	unsealed, white goods	unsealed, highly configurable	unsealed, high cost of failure	unsealed, high cost of failure, MIL approved
<b>Sealing</b>	IP67 equivalent	IP67, IP00	–	–	–	–
<b>Amp rating (A)</b>	5	0.1, 5, 10	5, 16	0.1, 5, 10, 16, 22, 26	0.1 to 25	1 to 25
<b>Voltage</b>	125 Vac, 250 Vac	125 Vac, 250 Vac, 30 Vdc, 48 Vdc	125 Vac, 250 Vac	125 Vac, 250 Vac	125 Vac, 250 Vac,	125 Vac, 250 Vac, 277 Vac
<b>Circuitry</b>	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC
<b>Operating force (gf)</b>	100, 200	15, 25, 50, 100, 200	15, 25, 50, 100, 200, 300, 400	15, 25, 50, 100, 200, 300, 400	6 oz to 14 oz; 15, 25, 50, 75, 150, 175, 225, 300	6 oz to 14 oz; 15, 25, 50, 75, 100, 150, 300
<b>Terminations</b>	quick connect	quick connect; wired - 300 mm; special	quick connect; RAST 2.5, 5, 7; straight PCB	quick connect; screw; solder; RAST 5, 7; special	quick connect; straight PCB; left PCB; right PCB	quick connect; screw; solder; short solder
<b>Actuators/ levers</b>	pin plunger, roller, straight, long, sim roller	pin plunger, roller, straight, long, sim roller	pin plunger, roller, straight, long, sim roller	pin plunger, roller, straight, long, sim roller, special	pin plunger, roller, straight, long, sim roller, special	pin plunger, roller, straight, long, sim roller
<b>Approvals</b>	UL, cUL, ENEC, CQC, RoHS, IEC Ex, ATEX	UL, cUL, ENEC, CQC, RoHS	UL, cUL, ENEC, CQC, RoHS	UL, cUL, ENEC, CQC, RoHS	UL, CSA, ENEC	UL, CSA
<b>Operating Temp. (°C)</b>	-25 to 85	-40 to 85	-25 to 85/125	-25 to 85/125/150	-40 to 85/150/200	-40 to 85/150/204
<b>Contacts</b>	silver alloy, gold-plated	silver nickel, gold-plated	cadmium-free silver alloy	silver alloy, silver cadmium, gold-plated	fine silver, gold-plated, silver cadmium	fine silver, gold plated, silver cadmium oxide, gold alloy
<b>Housing material</b>	PBT polyester thermoplastic	PBT polyester thermoplastic	PBT polyester thermoplastic	PBT polyester thermoplastic	PCT polyester thermoplastic	thermoset phenolics
<b>Dimensions mm H x W x L</b>	15,9 x 10,3 x 33	15,9 x 10,3 x 33	15,9 x 10,3 x 27,8	15,9 x 10,3 x 27,8	15,9 x 10,2 x 28,8	16,0 x 10,3 x 27,7






\*Certified for Zone 2 Hazardous Locations per EN/IEC 60079-0 and EN/IEC 60079-15

## PRODUCT SERIES AND DATASHEETS

Click the product or series to view the Series datasheet.










## APPLICATIONS

				
<b>Presence Detection</b> Ensures door latching and safe operation	<b>Float Switch</b> On/off power to stop overflow conditions	<b>Flow Switch</b> Enables safe and efficient water usage	<b>Power Switch</b> Reliable system control for motors, pumps, fans	<b>Operator Controls</b> Interface control for system auxiliary functions

## SUPPORTING DOCUMENTATION

Click the document title or icon to view the material.

-  Applying Precision Switches
-  Sensors and Switches for Medical Applications
-  V15W2 Explosion-Proof Basic Switch: Reverse Diagram
-  MICRO SWITCH Hazardous Location Approvals Matrix
-  Sensors and Switches in Valves and Flowmeters
-  Industrial Applications Brochure
-  Watertight Switches in Transportation

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