

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
Type, Market	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
Sealing	IP67 equivalent	IP67, IP00	–	–	–	–
Amp rating (A)	5	0.1, 5, 10	5, 16	0.1, 5, 10, 16, 22, 26	0.1 to 25	1 to 25
Voltage	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
Circuitry	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC
Operating force (gf)	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
Terminations	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
Actuators/ levers	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
Approvals	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
Operating Temp. (°C)	-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
Contacts	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
Housing material	PBT polyester thermoplastic	PBT polyester thermoplastic	PBT polyester thermoplastic	PBT polyester thermoplastic	PCT polyester thermoplastic	thermoset phenolics
Dimensions mm H x W x L	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

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PRODUCT SERIES AND DATASHEETS

Click the product or series to view the Series datasheet.










APPLICATIONS

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