MICRO SWITCH BASIC SWITCH LARGE SWITCH COMPARISON

Ideal for high cost-of-failure applications. Low operating force and differential travel. Current ratings from 1 A to 25 A. Designed to withstand 100K operations at full load or 10M for mechanical life.

SERIES	BZ	ВА	ВМ	BE	6AS	MT	DT	BS
Type, Market	premium	premium	premium	premium	specialty; tandem switch	designed for power-duty dc loads	Same size as BZ, but DPDT	adjustable differential travel
Use	Switch styles: momentary plunger, manual reset plunger, make-before-break contacts, sequential contacts, double break contacts, split contacts					control circuits to switch high capacity dc systems	simultaneous make/break of two independent circuits	pressure or temp. switch assemblies
Amp rating (A)	1 A, 5 A, 10 A, 15 A	1 A, 15 A, 20 A	22 A	25 A	1 A, 5 A, 10 A, 15 A, 20 A	10 A	10 A	15 A, 20 A
Voltage	125 Vac, 250 Vac, 480 Vac	125 Vac, 250 Vac, 480 Vac	125 Vac, 250 Vac, 480 Vac	125 Vac, 250 Vac, 480 Vac	125 Vac, 250 Vac, 480 Vac	125 Vac/Vdc	125 Vac/Vdc 250 Vac/Vdc	250 Vac. 277 Vac, 480 Vac
Circuitry	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	SPDT, SPNO, SPNC	per each switch	SPDT	DPDT	SPDT, SPNO, SPNC
Operating Force	<1.0 oz to 28 oz	1.0 oz to 35 oz	<1.0 oz to 25 oz	2.5 oz to 25 oz	2 oz to 23 oz	2 oz to 35 oz	2.5 oz to 20 oz	6 oz to 32 oz
Terminations	quick connect, solder, screw, wire harness with connector	quick connect, solder, screw	quick connect, solder, screw	quick connect, solder, screw	quick connect, solder, screw	solder, screw	screw	quick connect, solder, screw
Actuators/ levers	 plunger: pin, high overtravel panel mount rigid lever: straight, roller, formed adjustable flexible leaf: straight, roller, formed 	 plunger: pin, high overtravel panel mount rigid lever: straight, roller, formed flexible leaf: straight, roller, formed 	 plunger: pin, high overtravel panel mount rigid lever: straight, roller, formed adjustable flexible leaf: straight, roller, formed 	 plunger: pin, high overtravel panel mount rigid lever: straight, roller, formed flexible leaf: straight, roller, formed 	common actuator with adjustable synchronicity	 plunger: pin, high overtravel rigid lever: straight, roller, formed flexible leaf: straight, roller, formed 	pin plungerstraight plungerrigid lever: straight, roller	pin plunger (SST)
Approvals	UL, CSA, ENEC, CE, FAA-PMA, MIL-PRF-8805 (varies by model)	UL, CSA, ENEC, CE (varies by model)	UL, CSA, ENEC, CE (varies by model)	UL, CSA	UL, CSA	UL, CSA	UL, CSA, FAA, PMA, MIL-PRF-8805	UL, CSA (most models)
Operating Temp. (°C)	-55 to 85, 121 and 204°C options	-55 to 85, 121 and 204°C options	-55 to 85, 121 and 204°C options	-55 to 85, 121 and 204°C options	-55 to 85	-55 to 82	-55 to 85	-55 to 85
Contacts	gold, silver, silver-cop- per-nickel	gold, silver, silver cadmium oxide	silver, silver cad- mium oxide, silver-tin oxide	silver, silver cad- mium oxide	gold, silver, silver cadmium oxide, silver-tin oxide silver-cop- per-nickel	silver	silver	silver, silver cadmium oxide
Housing material	phenolic: general purpose, heat-resistant, high temperature, mica-filled					phenolic : arc resistant melamine	phenolic: heat-resistant	phenolic: heat-resistant, mica-filled
Dimensions mm H x W x L	25,4 x 17,5 x 49,3	25,4 x 17,5 x 49,3	25,4 x 17,5 x 49,3	25,4 x 17,5 x 49,3	25,4 x 35 x 49,3	25,4 x 17,5 x 49,3	25,4 x 17,5 x 49,3	34,3 x 17,5 x,49.3
Mechanical Life a 95 % survival	up to 10,000,000 cycles	up to 10,000,000 cycles	up to 10,000,000 cycles	up to 10,000,000 cycles	up to 10,000,000 cycles	up to 500K operations	up to 20,000,000 cycles	Up to 10,000,000 operations

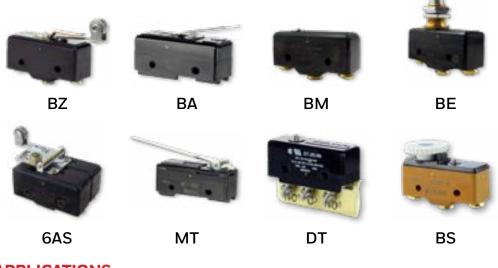






PRODUCT SERIES AND DATASHEETS

Click the product or series to view the Series datasheet.



APPLICATIONS



Power Switch

Reliable system safe operation control for motors, pumps, fans



Presence Detection Ensures door latching and



Pressure Switch Detection and warning

of high

pressure or

over pressure events

and efficient water usage



Flow Switch Float Switch Enables safe On/off power to stop overflow conditions

SUPPORTING DOCUMENTATION

Click the document title or icon to view the material.



Applying Precision Switches



Sensors and Switches for Medical Applications



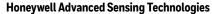
Industrial Applications Brochure



Sensors and Switches in Valves and Flow Meters



Case Study: BZ Switches



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