

Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



**Click this icon to try the new
Interactive Catalog.**

Sensing and Control

Honeywell Inc.

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Freeport, Illinois 61032

Basic Switches

Miniature and Subminiature

Product Selection Guide



US
Page 8



UX
Page 10



UM
Page 12



SX
Page 21



SM
Page 26



V3/V7
Page 32

	SUBMINIATURE					MINIATURE	
	US	UX	UM	SX	SM	V3	V7
PHYSICAL DESCRIPTION							
Package Size (inches)	.177H .098W .295L	.197H .236W .50L	.43H .25W .78L	.35H .20W .50L	.49H .25W .78L	.63H .40W 1.09L	.63H .40W 1.09L
Actuators	Pin or integral levers	Pin or levers	Pin or levers	Pin, leaf or levers	Pin, leaf or levers	Pin, leaf or levers	Pin, leaf or levers
Mounting Centers (inches)	.158	.256	.38	.19	.38	.88	.88
CHARACTERISTICS							
Electrical Data (Maximum available)	.5A-30 VDC	3A-125 VAC	5A-30 VDC, 250 VAC	7A-28 VDC, 250 VAC	11A-125, 250 VAC	25A 125, 250 VAC	15.1A 125, 250 VAC
Low Energy (Gold) Circuitry	.1A SPDT	.1A SPDT	.1A SPDT	2 mA SPDT	.1A SPDT	1A SPDT	.1A SPDT
Minimum Operating Force	25g.	25g.	8g.	2g.	6g.	15g.	15g.
Minimum Differential Travel (inches)	.004	.005	.004	.001 max.	.001 max.	.002 max.	.002 max.
ENVIRONMENT							
Std. Temperature Range (°F)	176° Hi Temp. Upper Lower -13°	185° -13°	185° -13°	400° F 250° -65°	400° F 180° -65°	400° F 180° -65°	180° -40°
Housing Material	Thermoplastic	Thermoplastic	Thermoplastic	General purpose phenolic	General purpose phenolic	General purpose phenolic	Polyester
APPROVAL							
Agency Recognized Agency Certified		UL CSA	VDE UL CSA SEMKO	UL CSA MIL-S-8805	UL CSA MIL-S-8805	UL CSA MIL-S-8805	UL CSA VDE

* Other temperature ranges available

Basic Switches

Standard



BZ-BM
Page 47



BA-BE
Page 47



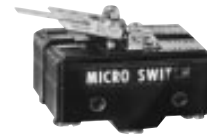
DT
Page 66



MT
Page 70



3MN
Page 73



6AS
Page 74

Selection

.95H .69W 1.94L Pin, integral or auxiliary leaf and lever, overtravel plunger	.95H .69W 1.94L	1.28H .69W 1.94L Pin, integral or auxiliary lever	1.30H .69W 1.94L Pin, integral or auxiliary leaf or lever	1.20H .68W 2.50L Pin	.93 1.38W 1.94L Integral leaf or lever
1	1	1	1	2.13	1
15A-22A 125, 250, 480 VAC ½ A 125VDC SPDT Specials	20A-25A 125, 250, 480 VAC SPDT	10A- 125, 250 VAC DPDT	10A- 125 VAC or VDC SPDT	15A-125, 240, 480, 600 VAC 2 CKT DB	15A- 125, 250, 480 VAC SPDT 2 CKT DB
1 oz. .0002	2.5 oz. .002	3.5 oz. .020	2 oz. .004	7 oz. .015	8 oz. .109
180° -65° Neoprene or Elastomer sealed plunger General purpose phenolic	180° -65° General purpose phenolic	180° — General purpose phenolic	180° — Arc resistant melamine	180° — General purpose phenolic	180° — General purpose phenolic
UL CSA MIL-S-8805	UL CSA MIL-S-8805	UL CSA MIL-S-8805	UL	UL CSA	UL

Basic Switches

Sealed and High-Temperature

Product Selection Guide



XE
Page 76



SE
Page 76



HM
Page 80



HS
Page 84



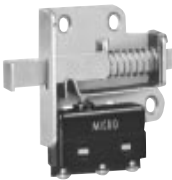
HT
Page 87

PHYSICAL DESCRIPTION	XE	SE	HM	HS	HT
Package Size (inches)	.75H .32W .62L	.75H .34W .88L	.72H .25W .79L	1.18H .67W 1.96L	1.25H .70W 1.96L
Actuators	Pin, auxiliary leaf	Pin, auxiliary leaf or lever	Integral lever, auxiliary leaf or lever	Integral lever	Pin, over-travel plunger
Mounting Centers (inches)	.19	.38	.37	1	1
CHARACTERISTICS					
Electrical Data (Maximum available)	7A- 28 VDC, 115, 250 VAC	5A- 28 VDC, 125, 250 VAC	4A- 28 VDC 115 VAC, 600 Hz	25A- 28 VDC	3A- 125, 250 VAC
Circuitry	SPST SPDT	SPST SPDT	SPDT	SPDT	SPDT
Minimum Operating Force	4 oz.	4 oz.	1.5 oz.	4 oz.	10 oz.
Minimum Differential Travel (inches)	.005 max.	.004 max.	.006 max.	.020	
ENVIRONMENT					
Temperature Range (°F)*	Upper 230° Lower —	221° —	250° —85°	180° —67°	1000° —
Sealing	Environment	Environment	Hermetic	Hermetic	
Housing Material	Aluminum	Aluminum	Stainless steel	Monel	Stainless steel or monel
APPROVAL Agency Recognized Agency Certified	UL CSA MIL-S-8805	UL CSA MIL-S-8805	MIL-S-8805	UL CSA MIL-S-8805	UL CSA

*Other temperature ranges available.

Basic Switches

Door



AC
Page 89



DM/DP
Page 90



WW
Page 92

Selection

Varied	1.25 or 1.6H .68W 1.95L	1.93H .54W 1.58L
Rod	Plunger	Plunger
Varied	Snap-in mount	Snap-in mount
5A-15A 125, 250, 480 VAC	10A, 125, 250, 277 VAC 16A, 125, 250, 277 VAC	16A, 125 250 VAC
2 SPDT 4 SPDT	SPDT DPDT	1, 2 or 3 CKT
— —	15 oz. —	15 oz.
180° -65°	180° -35°	185° -40°
Version with SE basic switch	—	—
Stainless steel bracket, stainless steel or polyester rod	Polyester	Polyester
Some are MIL-qualified	UL CSA	UL CSA