

MERCURY GLASS TILT SWITCHES

Glass Mercury switches for the most part are specialty switches that allow a diversity of features often not easily obtained in our metal switches.

Glass switches are used in applications that require very low tilt angles, extremely low and consistent contact resistance, and other contact configurations that are often suitable in the safety and replacement markets that continue to allow the use of Mercury.

The four major applications at present are thermostats, float switches, level controls, and safety devices.

Where Mercury continues to be used, Comus glass and metal bodied Mercury switches are extremely reliable because of their hermetically sealed construction. The elimination of air and the permanent introduction of an inert gas permits higher load switching and longer life than mechanical switches.

We are able to supply suitable mounting clips for most of the switches shown in this catalogue. Note the number at the bottom of each column. Further details of these can be found on our website.

NOTE ON RoHS REGULATIONS:

Mercury switches will remain available for use in products not covered by the European RoHS regulations. Supplies of Mercury switches will continue for applications permitting their use, including spares and reuse of equipment.

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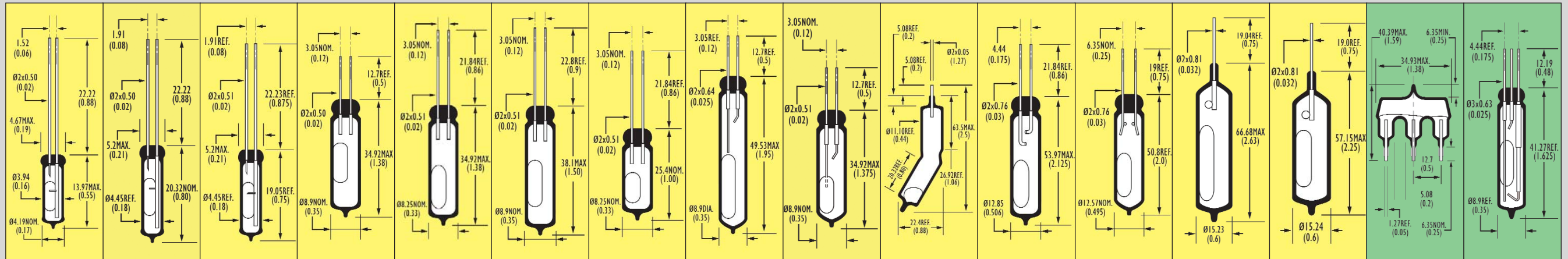
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Glass Mercury Switches



We also have a large network of worldwide agents. These can be seen on any of our websites, or on our company profile brochure.

GLASS MERCURY SWITCHES



Options / Features	• Sub Miniature • External leads solder tinned	• External leads solder tinned	• Precision 1 degree • External leads solder tinned	• External leads solder tinned	• General Purpose • External leads solder tinned	• General Purpose • External leads solder tinned	• External leads solder tinned	• Low Angle • High Precision 0.5 degree	• Thermostat Switch • External leads solder tinned	• External leads solder tinned	• External leads solder tinned	• External leads solder tinned	• External leads solder tinned	• Heavy duty • External leads solder tinned	• Heavy duty rugged enclosure • External leads solder tinned	
Contact Form	Normally Open													Change-Over		
Type	CA20-S0	CA22-S0	CA22-I-S0	CB11-S0	CB17-S0	CB18-S0	CB52-S0	CH02-S0	CH03-S0	CK30-S0	CL17-S0	CL34-S0	CL62-0	CL64-0	CF52-S0	CH04-S0
Contact Arrangement	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPST	SPDT	SPST
Switching Voltage Max. V	30DC / 240AC	30DC / 240AC	220AC	240AC	250DC / 240AC	250DC / 240AC	250DC / 240AC	30DC / 240AC	30DC / 240AC	250DC / 240AC	240AC	250DC / 240AC	220AC	240AC	240AC	30DC / 240AC
Switching Current Max. A (DC/AC)	0.15 / 0.05	0.15 / 0.05	0.05	0.5	1 / 2	1 / 2	0.3 / 1	0.5 / 0.1	0.5 / 0.1	2 / 5	2	1.5 / 2	5	5	13	0.5 / 0.1
Differential Angle Max. °	10	5	1	5	10	10	14	0.5	1.4	28 - 32 (4)	4	10	3	5	9.5 +/- 3.5	2
Contact Resistance mOhms	100	100	100	30	50	100	50	100	100	300	100	100	-	-	50	100
Operating Temperature °C	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125	-37 +125
Mounting Clip	1A	1A	1A	-	3BH	-	3BH	3BH	3BH	7KF	-	6L	-	9L	-	3BH

