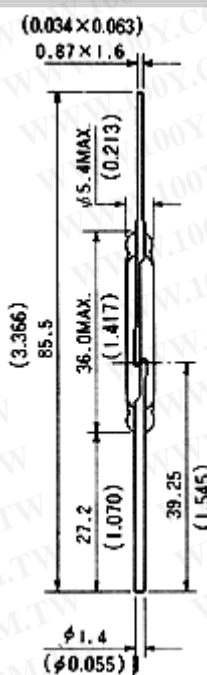
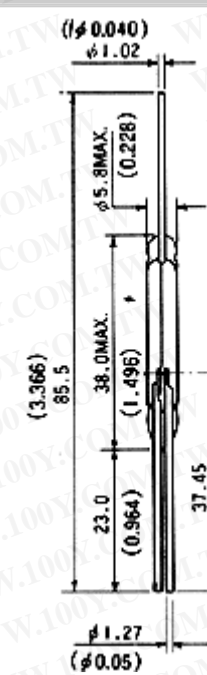
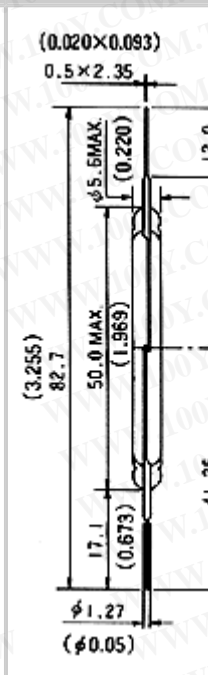
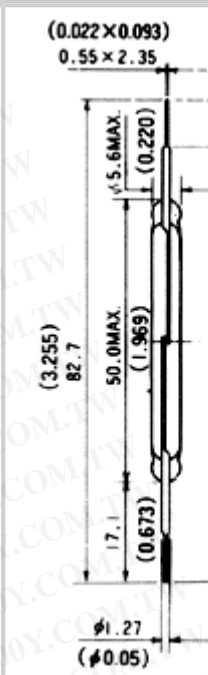


Dry Reed Switches

Part number	HYR4001	HYR4003	HYR5051	HYR5006
Dimensions Unit : mm(inch)	 <p>Dimensions diagram for HYR4001 showing a cylindrical component with a diameter of $\phi 1.4$ ($\phi 0.055$) and a total length of 85.5 mm (3.366 inches). Key features include a top diameter of 0.87×1.6 (0.034×0.063), a central diameter of $\phi 5.4$ MAX. (0.213 inches), and a bottom diameter of $\phi 1.4$ ($\phi 0.055$). Other dimensions include 27.2 mm (1.070 inches), 36.0 mm MAX. (1.417 inches), and 39.25 mm (1.545 inches).</p>	 <p>Dimensions diagram for HYR4003 showing a cylindrical component with a diameter of $\phi 1.27$ ($\phi 0.05$) and a total length of 85.5 mm (3.366 inches). Key features include a top diameter of $\phi 1.02$ ($\phi 0.040$), a central diameter of $\phi 5.8$ MAX. (0.228 inches), and a bottom diameter of $\phi 1.27$ ($\phi 0.05$). Other dimensions include 23.0 mm (0.904 inches), 38.0 mm MAX. (1.496 inches), and 37.45 mm (1.474 inches).</p>	 <p>Dimensions diagram for HYR5051 showing a cylindrical component with a diameter of $\phi 1.27$ ($\phi 0.05$) and a total length of 82.7 mm (3.255 inches). Key features include a top diameter of 0.5×2.35 (0.020×0.093), a central diameter of $\phi 5.6$ MAX. (0.220 inches), and a bottom diameter of $\phi 1.27$ ($\phi 0.05$). Other dimensions include 17.1 mm (0.673 inches), 50.0 mm MAX. (1.969 inches), and 41.35 mm (1.627 inches).</p>	 <p>Dimensions diagram for HYR5006 showing a cylindrical component with a diameter of $\phi 1.27$ ($\phi 0.05$) and a total length of 82.7 mm (3.255 inches). Key features include a top diameter of 0.55×2.35 (0.022×0.093), a central diameter of $\phi 5.6$ MAX. (0.220 inches), and a bottom diameter of $\phi 1.27$ ($\phi 0.05$). Other dimensions include 17.1 mm (0.673 inches), 50.0 mm MAX. (1.969 inches), and 41.35 mm (1.627 inches).</p>
Contact Form	1A	1C	1A	1A
Contact Position *1	O	O	C	C
Contact Material	Rhodium	Rhodium	Ruthenium *3	Rhodium
Max. Contact Rating	15W	10W	15W	25W
Max. Switching Voltage	250VDC	250VDC	250VDC	2,000VDC
Max. Switching current	1A	0.5A	3A	0.5A
Max. Initial Contact Resistance	60m ohms	75m ohms	60m ohms	60m ohms
Pull in Value (AT)	30-120	30-80	40-110	50-150
Min. Drop out Value (AT)	13	15	13	13
Min. Breakdown Voltage *2	400VDC	500VDC	500VDC	5,000VDC
Max. Contact Capacitance	0.8pF	3.0pF	0.8pF	0.8pF
Min. Insulation Resistance	10^8 ohms	10^8 ohms	10^9 ohms	10^{10} ohms
Typ. Resonant Frequency	0.9kHz	1.1kHz	0.8kHz	0.8kHz
Electrical Life (Resistive loads)	10^7 (24VDC, 100mA) 7×10^6 (100VDC, 100mA)	10^6 (24VDC, 100mA)	10^7 (10VDC, 100mA) 10^6 (100VDC, 100mA)	10^7 (50mVDC, 10mA) 5×10^5 (2,000VDC, 10mA)
Test Coil	TC-1001		TC-1002	
Features	General application	Single pole, double throw	General application	High breakdown voltage

Notes

1. C: Center gap O: Off center gap
2. Breakdown voltage specifications are based on Pull-In sensitivity of 25 AT or higher. Contact ALEPH for information for switches with less than 25 AT sensitivity. HYR4000, HYR5000, HYR9000 Series are specified on basis of the lowest AT Pull-In sensitivity range.
3. Ruthenium Oxide over Rhodium.

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