

Part Number: MH4 500 070
Mercury Wetted Reed Switch - Make Contact
Product Data Sheet

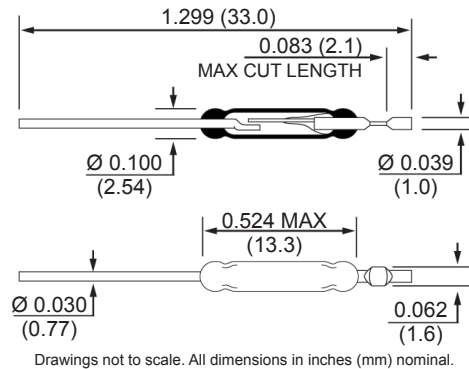
PICTURE

Pb - FREE
 Plating and Glass are not containing any lead.

NOTE:
 Vertical mounted required
 ($\pm 30^\circ$ from vertical)



DIMENSIONS



ORDERING INFORMATION

PART NUMBER MH4 500 070 - xx

• Switch Type

- Operate AT - Range
- xx = 00 for 20-25 AT
- xx = 01 for 25-30 AT
- xx = 02 for 30-35 AT
- xx = 03 for 38-40 AT

Example: MH4 500 070 - 01
 Operate value is between 20 and 35 AT.

SPECIFICATION

Contact Form				A - Make Contact
Contact Material				Hg
Switching Voltage	DC / Peak AC Resistance	MAX		500* Volts
Switching Current	DC / Peak AC Resistance	MAX		2.0 Amps
Carry Current (24 h)	DC / Peak AC Resistance	MAX		3.0 Amps
Contact Rating	DC / Peak AC Resistance	MAX		50 Watts
Operating Frequency		MAX		200 Hz
Life Expectancy	1.0V 10mA	MIN		1000 x 10 ⁶ Ops
	50V, 1A	MIN		2 x 10 ⁶ Ops
	500V, 100mA	MIN		50 x 10 ⁶ Ops
Operate AT Range		MIN-MAX		20 - 35 AT
Release AT Range		MIN		8 AT
Insulation Resistance	500V, 25°C 40% RH	MIN		10 ¹⁰ Ohms
Capacitance	Across Open Contacts			0.3 pF
Dielectric Strength	Between Contacts	MIN		2 KV
Operate Time	1.5 times Operate at 20Hz Sq. Wave 50% DC	MAX		2.0 msec
Release Time	Zener-Diode Suppression	MAX		1.5 msec
Drain Time		MAX		5 sec
Static Contact Resistance	50mV, 10mA	MAX		30 mOhms
Hg Content				0.040 g
Storage Temperature		DEG		-40 to +125°C
Operating Temperature		DEG		-38 to +125°C
Soldering Temperature	<10 sec at 260°C	DEG		+260
Vibration Resistance (Survival)	10Hz - 500Hz	MAX		10 g
Shock Resistance (Survival)	11 ± 1ms, 1/2 Sine Wave	MAX		30 g
Weight				0.24 grams

NOTE 1: Measured in testcoil NARM 1 or EN119000-03 / Gap position in coil: 2mm below center. The given Operate value has a tolerance of $\pm 2AT$

NOTE 2: All parameters are at 25°C unless otherwise stated.

(*) 1000 VDC (5W) - It might switch 1000V but limited to 5 watts.

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

Phone: (1) 973 777 6900

www.comus-group.com

Fax: (1) 973 777 8405