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

NOTE:
Vertical mounted required
(±30° from vertical)

PICTURE

DIMENSIONS

ORDERING INFORMATION

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 10⁶ Ops

50V, 1A
MIN
2 x 10⁶ Ops

500V, 100mA
MIN
50 x 10⁶ Ops

Operate AT Range
MIN-MAX
20 - 35 AT

Release AT Range
MIN
8 AT

Insulation Resistance
500V, 25°C 40% RH
MIN
10¹⁰ Ohms

Capacitance
Across Open Contacts
MIN
0.3 pF

Dielectric Strength
Between Contacts
MIN
2 KV

Operate Time
1.5 times Operate at 20Hz
MAX
2.0 msec

Sq. Wave 50% DC

Release Time
Zener-Diode Suppression
MAX
1.5 msec

Drain Time
MAX
5 sec

Static Contact Resistance
50mV, 10mA
MAX
30 mOhms

Hg Content
MIN
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
MAX
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 ±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.

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