



Drawings not to scale  
All dimensions in mm (inches) nominal

CONTACT RATING	Conditions	Symbol	Min	Typ	Max	Units
Contact Form	1A					
Contact Position	Off Centre					
Max Switching Voltage	DC / Peak AC resistive	V <sub>L</sub>			1500	Volt
Max Switching Current	DC / Peak AC Resistive	I <sub>L</sub>			2	Amp
Max Carry Current	DC / Peak AC Resistive	I <sub>c</sub>			3	Amp
Max Contac Rating	DC / Peak AC Resistive				50	Watt
Max Init. Cont. Resistance	50mV, 10mA	CR			30	mΩ
Operate/ Pull In range	see note 1		20		40	AT
Release / Drop Out range	see note 1		8			AT
Min. Breakdown Voltage	Between Contacts	I/O	2000			VDC
Insulation resistance	500V, 25° C, 40% RH		10 <sup>13</sup>			Ω
Capacitance	Across Open Contacts			0.3		pF
Operating frequency		f			200	Hz
Operate time	1.5 times Operate at 20 Hz Sq.Wave, 50% DC	T <sub>op</sub>			2	msec.
Release Time	Zener diode suppression	T <sub>rel</sub>			1.5	msec
Drain time					5	sec
Life Expectancy	1.0V 10mA 50V,1A 500V,100mA		1000 5 50			x10 <sup>5</sup> Ops x10 <sup>6</sup> Ops x10 <sup>6</sup> Ops
Contact Material	Mount +/- 30° from vertical			Hg		
Hg content				40		mg
<b>ENVIRONMENTAL RATING</b>						
Storage Temp.		T <sub>A</sub>	-40		+125	°C
Operating Temp.		T <sub>O</sub>	-38		+125	°C
Soldering Temp.	<10 sec at 260°C			+260		°C
Vibration Resistance (Survival)	10 Hz - 500 Hz	G			10	g
Shock Resistance (Survival)	11±1ms,1/2 Sine Wave	S			30	g
Weight				0.24		gr

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 ± 2 AT. Operate is available from 20 to 40 AT in classes of 5 AT.  
Ordering code : MH4 500 083 – xx, with xx = 00 for 20-25 AT, 01 for 25-30 AT, 02 for 30-35 AT and 03 for 35-40 AT

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

Drw: PJ Date: 16/12/05 App: PJ Date: 16/12/05	Description: <b>CUSTOMER DATASHEET</b>  <b>MH4 500 083 - xx</b>	Size <b>A4</b>	Drawing Number: <b>MH4 500 083 - xx</b>  File name: MH4 500 083.doc	Revisions	
		WIF0506-02 rev.01		A0 05121901	
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