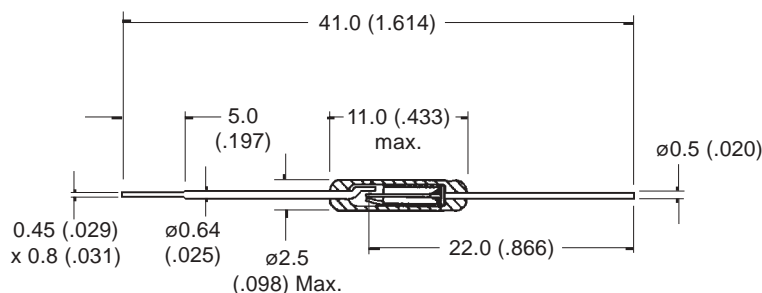


## Comus Group of Companies

## PRODUCT DATA SHEET



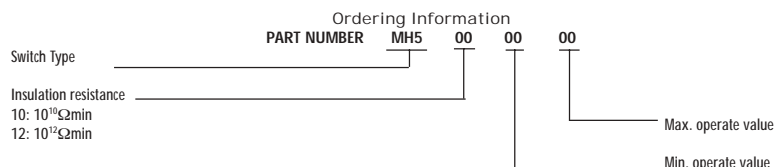
Drawings not to scale

All dimensions in mm (inches) nominal

CONTACT RATING	Conditions	Symbol	Min.	Typ.	Max.	Units
SWITCHING VOLTAGE	DC / Peak AC Resistive	$V_L$			500	Volts
SWITCHING CURRENT	DC / Peak AC Resistive	$I_L$			2	Amps
CARRY CURRENT (24 h)	DC / Peak AC Resistive	$I_C$			2	Amps
CONTACT RATING	DC / Peak AC Resistive				50	Watts
OPERATING FREQUENCY		f			300	Hz
LIFE EXPECTANCY	1.0V 10mA 50V,1A 500V, 100mA 48V, 100mA		500 1 5 50			$\times 10^6$ Ops $\times 10^6$ Ops $\times 10^6$ Ops $\times 10^6$ Ops
OPERATE AT RANGE	See note 1		30		65	AT
RELEASE AT RANGE	See note 1		12			AT
INSULATION RESISTANCE	500V, 25°C 40% RH		x			$\Omega$
CAPACITANCE	Across Open Contacts			0.3		pF
DIELECTRIC STRENGTH	Between Contacts	I/O	1500			VAC
OPERATE TIME	1.5 times Operate at 20 Hz Sq. Wave 50% DC	$T_{OP}$		0.85	1.2	msec.
RELEASE TIME	Zener-Diode Suppression	$T_{rel}$		0.8	1	msec.
STATIC CONTACT RESISTANCE	50mV, 10mA	CR			30	m $\Omega$
CONTACT MATERIAL				Hg		
Hg CONTENT				10		mg
STORAGE TEMPERATURE		$T_A$	-40		+125	°C
OPERATING TEMPERATURE		$T_O$	-38		+125	°C
SOLDERING TEMPERATURE	<10 sec at 260°C			+260		°C
VIBRATION RESISTANCE (Survival)	10 Hz - 500 Hz	G			20	g
SHOCK RESISTANCE (Survival)	11 $\pm$ 1ms, 1/2 Sine Wave	S			50	g
WEIGHT				0.2		grams

NOTE 1: Measured in testcoil EN119000-09. The given Operate Value has a tolerance of  $\pm 2$  AT.

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



Example: Type MH5 10 40 60 - MH5 switch Insulation resistance  $10^{10}\Omega$  min. Operate value is between 40 and 60 AT.

## REED SWITCH - Non-Position Sensitive 1 f A wetted switch

PART NUMBER  
**MH5**

Rev. No.	Revision Note	Date	Signature
B	Web Site 2002	1-4-02	RG

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 details of our full design and manufacturing service. All products are supplied to our standard conditions of sale otherwise agreed in writing.