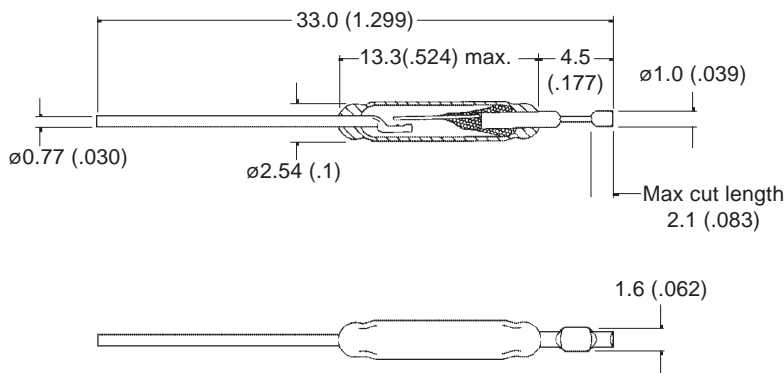


Comus Group of Companies

PRODUCT DATA SHEET



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

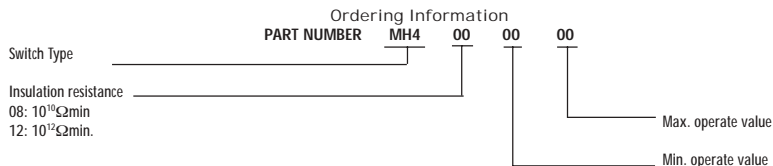


Drawings not to scale
All dimensions in mm (inches) nominal

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			3	Amps
CONTACT RATING	DC / Peak AC Resistive				50	Watts
OPERATING FREQUENCY		f			200	Hz
LIFE EXPECTANCY	1.0V 10mA		1000			$\times 10^6$ Ops
	50V,1A		2			$\times 10^6$ Ops
	500V, 100mA		50			$\times 10^6$ Ops
OPERATE AT RANGE	See note 1		20		35	AT
RELEASE AT RANGE	See note 1		8			AT
INSULATION RESISTANCE	500V, 25°C 40% RH		x			Ω
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}			2	msec.
RELEASE TIME	Zener-Diode Suppression	T_{rel}			1.5	msec.
DRAIN TIME					5	sec
STATIC CONTACT RESISTANCE	50mV, 10mA	CR			30	m Ω
CONTACT MATERIAL				Hg		
Hg CONTENT				40		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			10	g
SHOCK RESISTANCE (Survival)	11 ± 1ms, 1/2 Sine Wave	S			30	g
WEIGHT					0.24	grams

NOTE1 : Measured in testcoil NARM 1 or EN119000-03/Gap position in coil: 2mm below centre.. The given Operate Value has a tolerance of ±2 AT.

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



Example: Type MH4 12 25 35 - MH4 Switch Insulation resistance 10¹²Ω min. Operate value is between 25 and 35 AT.

REED SWITCH - High performance 1 form A wetted switch

PART NUMBER
MH4

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

The Comus Group of Companies consist of:
 Assemtech Europe Limited
 E. Bachem GmbH
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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.