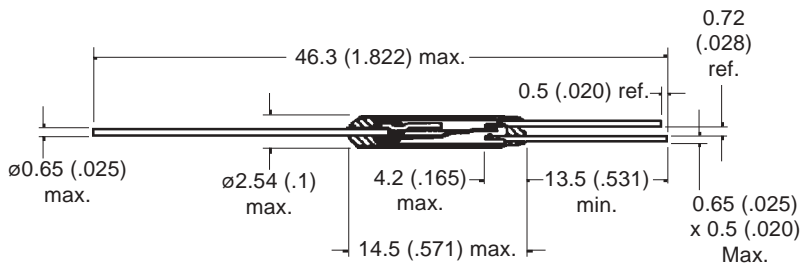


Comus Group of Companies

PRODUCT DATA SHEET



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

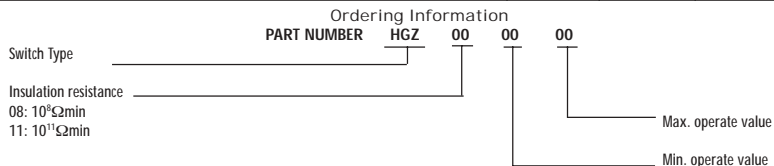


Drawings not to scale
All dimensions in mm (inches) nominal

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			100	Hz
LIFE EXPECTANCY	1.0V 10mA 50V,1A 500V, 100mA		1000 2 50			x10 ⁶ Ops x10 ⁶ Ops x10 ⁶ Ops
OPERATE AT RANGE	See note 1		40		70	AT
RELEASE AT RANGE	See note 1		15			AT
INSULATION RESISTANCE	500V, 25°C 40% RH		x			Ω
CAPACITANCE	Across Open Contacts			0.5		pF
DIELECTRIC STRENGTH	Between Contacts	I/O	1000			VAC
OPERATE TIME	1.5 times Operate at 20 Hz Sq. Wave 50% DC	T _{OP}			3	msec.
RELEASE TIME	Zener-Diode Suppression	T _{rel}			2	msec.
DRAIN TIME					5	sec.
TRANSFER TIME					700	μsec
STATIC CONTACT RESISTANCE	50mV, 10mA	CR			25	mΩ
CONTACT MATERIAL				Hg		
Hg CONTENT				72		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				0.28		grams

NOTE1 : Measured in testcoil
EN119000-09/Gap position in
coil: 3.5mm above centre.
The given Operate Value has a
tolerance of ±3 AT.

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



Example: Type HGZ 08 50 60 - HGZ Switch. Insulation resistance 10⁹Ω min. Operate value is between 50 and 60 AT.

REED SWITCH - Miniature High Performance 1 f C wetted switch

PART NUMBER
HGZ

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
Comus International
W. Gunther GmbH
Gunther Belgium
Gunther France
S.T.G.

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.