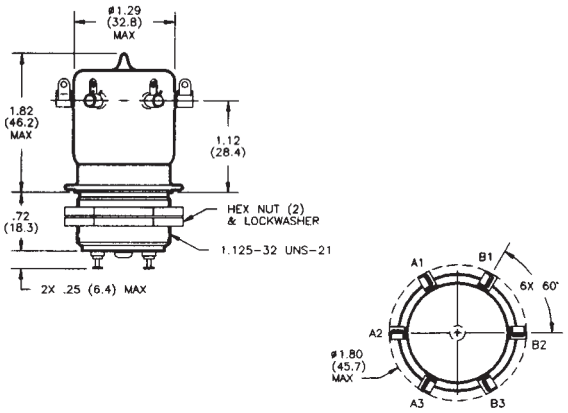
H-14/16 Series Make & Break Load Switching — 12 kV Relays

H-14

Product Facts for H-14

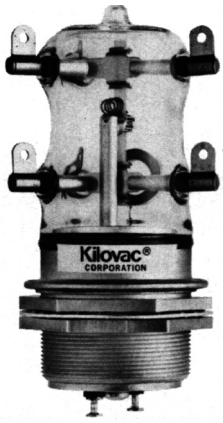
- **Double pole, double throw contacts**
- **Vacuum dielectric for power switching low current loads**
- **30 Amps DC continuous current rating**
- **Corona shield high voltage terminals available**
- **Meets requirements of MIL-R-83725**

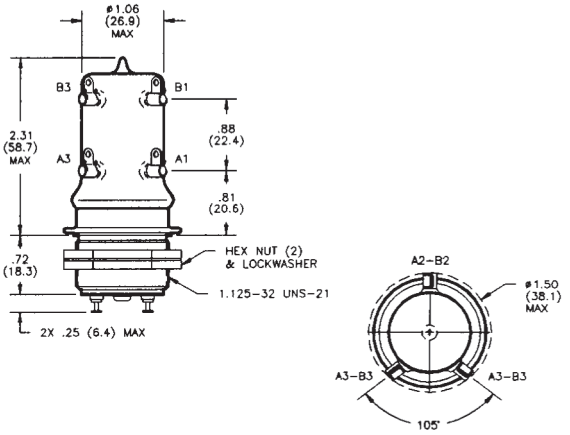


H-16

Product Facts for H-16

- **12 kV rating; isolates 5 kV at 32 MHz**
- **Vacuum dielectric for power switching low current loads**
- **Double pole, double throw contacts**
- **Widely used as a transmit/receive switch**
- **Meets requirements of MIL-R-83725**





Product Specifications for H-14 and H-16

Contact Arrangement — DPDT

Contact Form — 2C

Test Voltage, DC or 60 Hz (Peak) — 15 kV

Rated Operating Voltage (Peak) —
DC or 60 Hz — 12 kV
2.5 MHz — 10 kV
16 MHz — 8 kV
32 MHz — 5 kV

Continuous Carry Current, Max. —
DC or 60 Hz — 30 A
2.5 MHz — H-14 — 15 A
H-16 — 10 A
16 MHz — H-14 — 10 A
H-16 — 6 A
32 MHz — H-14 — 8 A
H-16 — 4 A
Coil Hi-Pot (Vrms, 60 Hz) — 500 A

For factory-direct application assistance, dial 800-253-4560, ext. 2055, or 805-220-2055.

Contact Capacitance —
Between Open Contacts — 1 pF
Open Contacts to Ground — 2.5 pF

Contact Resistance, Max. —
H-14 — 0.015 ohm
H-16 — 0.03 ohm

Operate Time, Max. — 20 ms

Release Time, Max. — 20 ms

Shock, 11ms, 1/2 Sine (Peak) — 20 g

Vibration —
Peak — 10 g (55 to 500 Hz)

Operating Ambient Temperature Range — -55°C to +125°C

Mechanical Life (Operations x 10^6) —
H-14 — 1 million cycles
H-16 — 500,000 cycles

Weight, Nominal —
H-14 — 226.8 g (8 oz.)
H-16 — 170.1 g (6 oz.)

Coil Data

Nominal Volts DC	12 Vdc	26.5 Vdc	115 Vdc
Pickup, Max.	8 Vdc	16 Vdc	80 Vdc
Dropout	.5-5 Vdc	1-10 Vdc	5-50 Vdc
Coil Resistance (±10%)	24 Ω	120 Ω	2000 Ω

Ratings listed are for 25°C, sea level conditions

Ordering Information

Sample Part Number ▶ **H- 14 /12Vdc**

Series:

Model:
14 16

Coil Voltage:
Blank = 26.5 Vdc
/12Vdc = 12 Vdc
/115Vdc = 115 Vdc

Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com