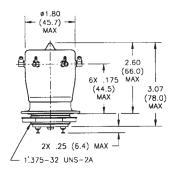


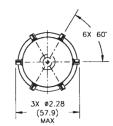
# H-19/17 Series Make & Break Load Switching — 20/25 kV Relays

### H-19 **Product Facts**

- 20 kV operating voltage
- Vacuum dielectric and tungsten contacts for power switching low current loads
- Double pole, double throw contacts
- Available with corona shield connectors
- Meets requirements of MIL-R-83725



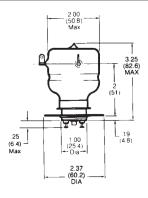


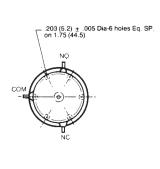


#### H-17 **Product Facts**

- Will isolate 12 kV at 32 MHz
- Tungsten contacts suitable for power switching low current loads
- Available with corona shield connectors
- Meets requirements of MIL-R-83725
- QPL version available, M83725/2







#### **Product Specifications for** H-19 and H-17

Contact Arrangement —

H-19 — DPDT H-17 — SPDT

Contact Form —

H-19 — 2C

H-17 — C

Test Voltage, DC or 60 Hz (Peak) -

H-19 — 25 kV

H-17 — 30 kV

Rated Operating Voltage (Peak) —

DC or 60 Hz — H-19 — 20 kV

H-17 — 25 kV

2.5 MHz — H-19 — 15 kV H-17 — 20 kV

16 MHz — H-19 — 10 kV

H-17 — 15 kV

32 MHz — H-19 — 7 kV

H-17 — 12 kV

Continuous Carry Current, Max. —

DC or 60 Hz --- 30 A

2.5 MHz — H-19 — 18 A

H-17 — 16 A

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

16 MHz — H-19 — 9 A H-17 — 10 A

— H-19 — 6 A

H-17 — 8 A

Coil Hi-Pot (Vrms, 60 Hz) - 500 A

Contact Capacitance —

Between Open Contacts — 1 pF

Open Contacts to Ground — 2.5 pF

Contact Resistance, Max. -

0.015 ohm

Operate Time, Max. —

H-19 — 30 ms

H-17 — 25 ms

Release Time, Max. —

H-19 - 20 ms

H-17 - 25 ms

Shock, 11ms, 1/2 Sine (Peak) -

H-19 — 30 g H-17 — 20 g

Vibration -

Peak — 10 g (55 to 500 Hz)

**Operating Ambient Temperature** 

Range —  $-55^{\circ}$ C to  $+125^{\circ}$ C

Mechanical Life — 1 million cycles

Weight, Nominal -

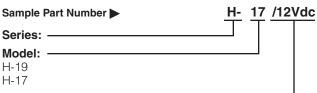
H-19 — 241 g (8.5 oz.) H-17 — 198.4 g (7 oz.)

## **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%) H-19 H-17	48 Ω 24 Ω	225 Ω 120 Ω	2100 Ω 2900 Ω

Ratings listed are for 25°C, sea level conditions

## **Ordering Information**



Coil Voltage:

Blank = 26.5 Vdc /12Vdc = 12 Vdc

/115 Vdc = 115 Vdc

7-77

Catalog 5-1773450-5 Revised 3-13