

## VHC-2,4,6

### FEATURES

#### VHC — 2

##### No Load Switching

- Vacuum dielectric and copper contacts for high current carry rating of 25 Amps
- Not designed for power switching
- Stable, low contact Resistance

#### VHC — 4

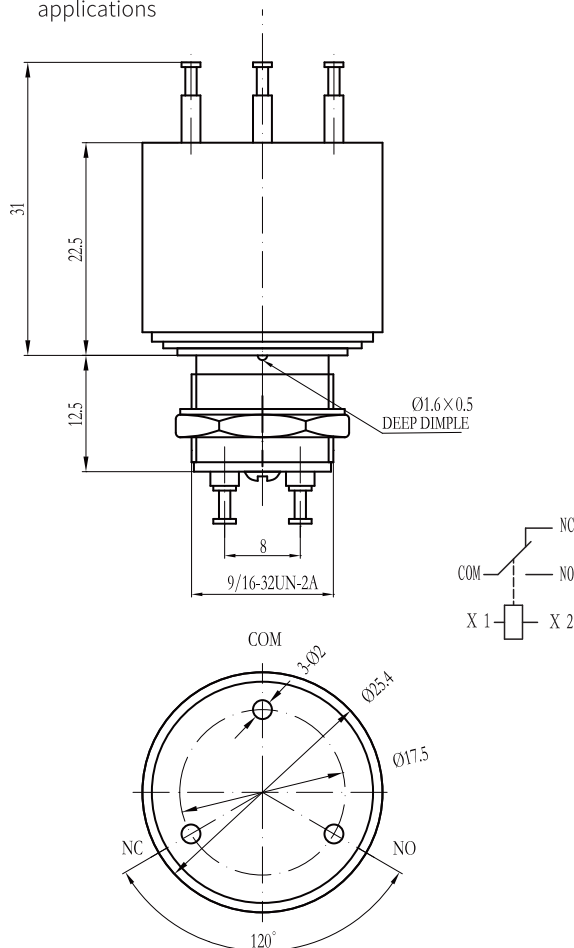
##### Make & Break Load Switching

- Tungsten contacts for long life in power switching applications
- Vacuum dielectric for arcsuppression when making or breaking a load

#### VHC — 6

##### Make Only Load Switching

- Tungsten contacts for switching high in-rush loads
- SF<sub>6</sub> gas-filled for capacitive discharge applications
- Suitable for ESD testing applications
- Tungsten contacts for long life in power switching applications



### PRODUCT SPECIFICATIONS

| Item   | VHC-2                | VHC-4          | VHC-6      |   |
|--|----------------------|----------------|------------|---|
| Contact Form   | C                    | C              | C          |   |
| Contact Arrangement  | SPDT                 | SPDT           | SPDT       |   |
| Contact Material (moveable/stationary)   | moly./copper         | moly./tungsten |            |   |
| Dielectric   | Vacuum               |                | Inert Gas  |   |
| Maximum Peak Test Voltage, Contacts and to Base (15µA Leak Current Max.) dc or 60Hz kV | 10                   | 10             | 10         |   |
| Maximum Peak Operating Voltage, Contacts and to Base (15µA Leak Current Max.) kV       | dc or 60Hz           | 8              | 8          | 8 |
|  | 2.5MHz               | —              | —          | — |
|  | 13.56MHz             | —              | —          | — |
|  | 32MHz                | —              | —          | — |
| Current, Load Switching ※ ※  | Contact factory      |                |            |   |
| Current, Continuous Carry Max A  | dc or 60Hz           | 25             | 18         | 8 |
|  | 2.5MHz               | —              | —          | — |
|  | 13.56MHz             | —              | —          | — |
|  | 32MHz                | —              | —          | — |
| Coil Hi-Pot (V RMS, 60 Hz)   | 500                  | 500            | 500        |   |
| Capacitance pF   | Across Open Contacts | —              | —          | — |
|  | Contacts to Ground   | —              | —          | — |
| Operate Time ms  | 6                    | 6              | 6          |   |
| Release Time ms  | 6                    | 6              | 6          |   |
| Resistance, Contact Max @ 1A, 28 Vdc Ω   | 0.012                | 0.025          | 0.5        |   |
| Operating Temperature Ambient °C   | -55 ~ +125           | -55 ~ +125     | -55 ~ +125 |   |
| Vibration, Operating, Sine (10-2000 Hz Peak) G's                                       | 10                   | 10             | 10         |   |
| Shock, Operating, 1/2 Sine 11ms (Peak) G's   | 50                   | 50             | 50         |   |
| Life, Mechanical Cycles  | 2 million            | 2 million      | 1 million  |   |
| Weight, Nominal g(oz)  | 40(4)                | 40(4)          | 40(4)      |   |

### COIL RATINGS

| Nominal, Volts dc        | 12   | 24   | 26.5 | 115  |
|--------------------------|------|------|------|------|
| Pick-up, Volts dc, Max.  | 8    | 16   | 16   | 80   |
| Drop-Out, Volts dc       | .5~5 | 1~10 | 1~10 | 5~55 |
| Coil Resistance (Ω ±10%) | 80   | 335  | 335  | 6000 |

Ratings Listed are for 25°C, Sea Level Conditions

### PART NUMBER SYSTEM

Series: VHC — 2 12Vdc

Model: 2; 4; 6;

Coil Voltage: Blank=26.5Vdc  
 12Vdc=12Vdc 24Vdc=24Vdc 115Vdc=115Vdc