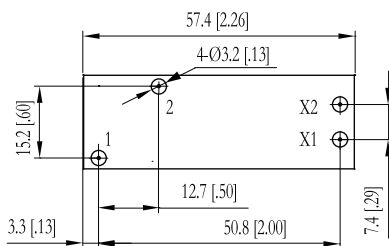


V81A, V81B

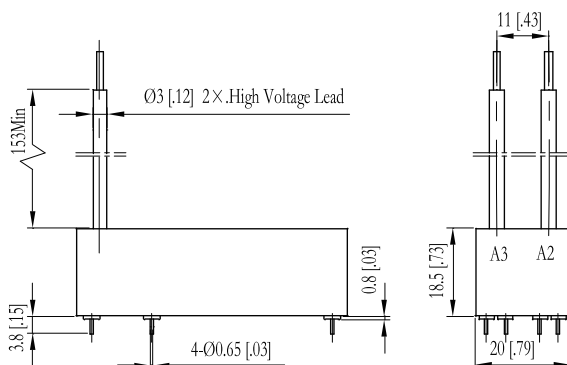
Make & Break Load Switching — 10 kV Relays

PRODUCT FEATURES

- Tungsten Contacts for better hot load switching
- PCB or flying leads mount for high voltage connections
- Totally sealed, suitable for test equipment



Coil Terminals X1&X2
Not Polarity Sensitive



Notes:

- * (1). PC pin versions carry 5 or 10 Amps, see part number at right.
Flying lead and panel versions carry 10 Amp.
- * (2). Power terminal on 10 Amp version is a larger diameter than on the 5 Amp version (0.65mm = 5 Amp, 1.62mm = 10 Amp).

PRODUCT SPECIFICATIONS

| Item | Unit | V81A | V81B |
|---|--------|-----------|---------|
| Contact Form | — | A | B |
| Contact Arrangement | — | SPST-NO | SPST-NC |
| Test Voltage, DC or 60Hz (Peak) | kV | 11 | |
| Rated Operating Voltage (Peak) DC or 60 Hz | kV | 10 | |
| Continuous Carry Current, Max. DC or 60 Hz | A | 5 | 10*(1) |
| Contact Resistance Max | Ω | 0.03 | |
| Operate Time Max. | ms | 10 | |
| Release Time Max. | ms | 10 | |
| Operating Temperature Ambient | °C | -55 ~ +85 | |
| Shock ,11ms, 1/2 Sine (Peak) | G's | 30 | |
| Vibration, Peak (50-500 Hz) | G's | 10 | |
| Mechanical Life, | Cycles | 2 million | |
| Weight, Nominal | g(oz) | 56.7(2) | |

COIL RATINGS

| Nominal, Volts dc | 12 | 26.5 | 115 |
|--------------------------|------|------|------|
| Pick-up, Volts dc, Max. | 8 | 16 | 80 |
| Drop-Out, Volts dc | .5~5 | 1~10 | 5~50 |
| Coil Resistance (Ω ±10%) | 70 | 290 | 4700 |

Ratings Listed are for 25°C, Sea Level Conditions

ORDERING INFORMATION

Sample Part Number

V81 B 3 4 5

Series:

Contact Form:

A = SPST-NO B = SPST-NC

Coil Voltage:

2 = 12 Vdc, PC Board 3 = 26.5 Vdc, PC Board

5 = 115 Vdc, PC Board

A = 12 Vdc, Stud Terminals, Panel Mount

B = 26.5 Vdc, Stud Terminals, Panel Mount

C = 115 Vdc, Stud Terminals, Panel Mount

High Voltage Connections:

A*(2) = PCB Solder Connection — 10 Amp

3 = PCB Solder Connection — 5 Amp

4 = Flying Leads 5 = Stud Terminals

Mounting:

5 = PC Board 7 = Panel Mount