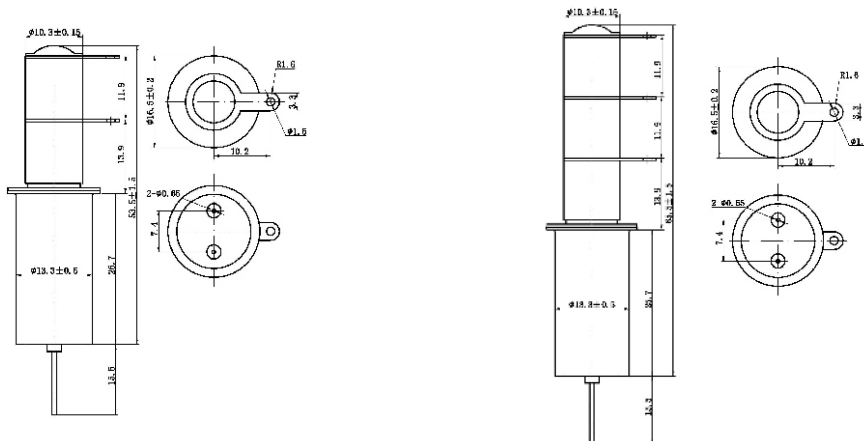


## Vacuum Relays

## V43A V43B V43C

Reference Model, Kilovac/Jennings: K43A/RF51, RF53; K43B/RF50, RF4A; K43C/RF62, RF3D.



| SPECIFICATIONS                                                         |                      |             |             |             |     |
|------------------------------------------------------------------------|----------------------|-------------|-------------|-------------|-----|
| Contact & Ratings                                                      | Units                | V43A        | V43B        | V43C        |     |
| Contact Form                                                           |                      | A           | B           | C           |     |
| Contact Arrangement                                                    |                      | SPST-NO     | SPST-NC     | SPDT        |     |
| Voltage, Test Max., Contacts & to Base (15µA Leakage Max., dc or 60Hz) | KV Peak              | 11          | 11          | 11          |     |
| Voltage, Operating Max., Contacts & to Base (15µA Leakage Max.)        | dc or 60Hz           | KV Peak     | 10          | 10          | 10  |
|                                                                        | 2.5MHz               | KV Peak     | 7           | 7           | 7   |
|                                                                        | 16MHz                | KV Peak     | 6           | 6           | 6   |
|                                                                        | 32MHz                | KV Peak     | 4           | 4           | 4   |
| Current, Continuous Carry Max.                                         | dc or 60Hz           | Amps        | 25          | 25          | 25  |
|                                                                        | 2.5MHz               | Amps        | 20          | 20          | 20  |
|                                                                        | 16MHz                | Amps        | 13          | 13          | 13  |
|                                                                        | 32MHz                | Amps        | 10          | 10          | 10  |
| Coil Hi-Pot (V RMS, 60Hz)                                              | V                    | 500         | 500         | 500         |     |
| Capacitance                                                            | Across Open Contacts | pF          | 1.2         | 1.2         | 1.2 |
|                                                                        | Contacts to Ground   | pF          | 1.2         | 1.2         | 1.2 |
| Resistance, Contact Max@1A, 28Vdc                                      | ohms                 | 0.02        | 0.02        | 0.02        |     |
| Operate Time                                                           | ms                   | 10          | 10          | 10          |     |
| Release Time                                                           | ms                   | 10          | 10          | 10          |     |
| Life, Mechanical                                                       | Cycles               | 2 million   | 2 million   | 2 million   |     |
| Weight, Nominal                                                        | g (oz)               | 28 (1)      | 28 (1)      | 28 (1)      |     |
| Vibration, Operation, Sine (55~2000 Hz Peak)                           | G's                  | 10          | 10          | 10          |     |
| Shock, Operating, 1/2 Sine 11ms(Peak)                                  | G's                  | 50          | 50          | 50          |     |
| Temperature Ambient Operating                                          | °C                   | -55 to +125 | -55 to +125 | -55 to +125 |     |

| COIL RATINGS                 |       |      |      |
|------------------------------|-------|------|------|
| Nominal, Vdc                 | 12    | 26.5 | 115  |
| Pick-up, Vdc, Max.           | 8     | 16   | 80   |
| Drop-out, Vdc                | 0.5-5 | 1-10 | 5-50 |
| Coil Resistance (Ohms ± 10%) | 70    | 290  | 4700 |

\*Ratings listed are for 25°C, sea level conditions.

