## 15 AMP <br> MINIATURE PC BOARD RELAY

## FEATURES

- High performance
- Low seated height
- 6 kV surge version available
- Flux tight and sealed versions available
- Class B insulation $\left(130^{\circ} \mathrm{C}\right)$ standard, Class $\mathrm{F}\left(155^{\circ} \mathrm{C}\right)$ available
- UL, CUR file E43203


## CONTACTS

| Arrangement | SPST N.O. (1 Form A) SPDT (1 Form C) |
| :---: | :---: |
| Ratings Medium Duty <br> Heavy Duty | Max. switched power: 240 W or 1200 VA <br> Max. switched current: 10 A <br> Max. switched voltage: $150 *$ VDC or 300 VAC <br> Max. switched power: 360 W or 2500 VA <br> Max. switched current: 15 A <br> Max. switched voltage: $150 *$ VDC or 300 VAC |
| UL/CUR Ratings Medium Duty <br> Heavy Duty | 10 A at 120 VAC , General Use 10 A at 24 VDC, General Use 10 A at 250 VAC, General Use 15 A at 120 VAC, General Use 15 A at 24 VDC , General Use <br> *Note: If switching voltage is greater than 30 VDC , special precautions must be taken. Please contact the factory. |
| Material | Medium Duty: Silver cadmium oxide Heavy Duty: Silver tin oxide |
| Resistance | < 100 milliohms initially ( $24 \mathrm{~V}, 1$ A method) |

## COIL

| Power <br> At Pickup Voltage <br> Max Continuous <br> Dissipation | 203 mW |
| :--- | :--- |
| Temperature Rise <br> (at nominal coil voltage) | $22^{\circ} \mathrm{C}\left(40^{\circ} \mathrm{F}\right)$ |
| Temperature | Max. $130^{\circ} \mathrm{C}\left(60^{\circ} \mathrm{F}\right)$ <br> $\mathrm{Max} .155^{\circ} \mathrm{C}\left(266^{\circ} \mathrm{F}\right)$ Class B$\left(11^{\circ} \mathrm{F}\right)$ Class F |

## NOTES

[^0]
## RELAY ORDERING DATA

| STANDARD RELAYS |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| COIL SPECIFICATIONS |  |  |  | ORDER NUMBER* |  |  |  |
| Nominal Coil | Max. Continuous | Coil Resistance | Must Operate | Medium Duty 10 Amp contact) |  | Heavy duty (15 Amp contact) |  |
| VDC | VDC | $\pm 10 \%$ | VDC | Unsealed | Sealed | Unsealed | Sealed |
| 5 | 10.9 | 70 | 3.8 | AZ9431-1C-5D | AZ9431-1C-5DE | AZ9431-1CH-5D | AZ9431-1CH-5DE |
| 6 | 13.0 | 100 | 4.5 | AZ9431-1C-6D | AZ9431-1C-6DE | AZ9431-1CH-6D | AZ9431-1CH-6DE |
| 9 | 19.5 | 225 | 6.8 | AZ9431-1C-9D | AZ9431-1C-9DE | AZ9431-1CH-9D | AZ9431-1CH-9DE |
| 12 | 26.0 | 400 | 9.0 | AZ9431-1C-12D | AZ9431-1C-12DE | AZ9431-1CH-12D | AZ9431-1CH-12DE |
| 18 | 39.1 | 900 | 13.5 | AZ9431-1C-18D | AZ9431-1C-18DE | AZ9431-1CH-18D | AZ9431-1CH-18DE |
| 24 | 52.1 | 1,600 | 18.0 | AZ9431-1C-24D | AZ9431-1C-24DE | AZ9431-1CH-24D | AZ9431-1CH-24DE |
| 48 | 104.3 | 6,400 | 36.0 | AZ9431-1C-48D | AZ9431-1C-48DE | AZ9431-1CH-48D | AZ9431-1CH-48DE |

*Substitute " 1 A " or " 1 AH " in place of " 1 C " or " 1 CH " to indicate 1 Form A . Add suffix " F " for Class F version. Add " H " to $\mathrm{AZ9431}$ for 6 kV version.

MECHANICAL DATA


Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010^{\prime \prime}$


[^0]:    1. All values at $20^{\circ} \mathrm{C}\left(68^{\circ} \mathrm{F}\right)$.
    2. Relay may pull in with less than "Must Operate" value.
    3. Unsealed relays should not be dip cleaned.
    4. Specifications subject to change without notice.
