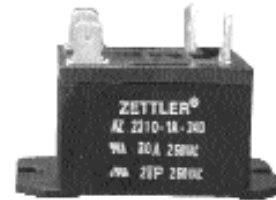


# AZ2310

## 30 AMP MINIATURE POWER RELAY

### FEATURES

- Low cost
- 30 Amp switching
- 70 Amp inrush current
- Quick connect terminals
- Creepage distance more than 8 mm
- UL, CUR file E44211



### CONTACTS

|                       |                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Arrangement           | SPST N.O. (1 Form A)                                                                                             |
| Ratings               | Resistive load:<br>Max. switched power: 7500 VA<br>Max. switched current: 30 A<br>Max. switched voltage: 250 VAC |
| Rated Load<br>UL, CUR | 30 A at 250 VAC Res.<br>2 HP 125/250 VAC<br>TV-15 at 120 VAC                                                     |
| Material              | Silver tin oxide                                                                                                 |
| Resistance            | < 30 milliohms initially<br>(24 V, 1 A voltage drop method)                                                      |

### COIL

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| Power<br>At Pickup Voltage<br>(typical) | 588 mW                              |
| Max. Continuous<br>Dissipation          | 2.0 W at 20°C (68°F) ambient        |
| Temperature Rise                        | 30°C (54°F) at nominal coil voltage |
| Temperature                             | Max. 105°C (221°F)                  |

### NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.

### GENERAL DATA

|                                                |                                                                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Life Expectancy<br>Mechanical<br>Electrical    | Minimum operations<br>1 x 10 <sup>7</sup><br>1 x 10 <sup>5</sup> at 30 A 240 VAC Res.                                                                   |
| Operate Time (typical)                         | 20 ms at nominal coil voltage                                                                                                                           |
| Release Time (typical)                         | 5 ms at nominal coil voltage<br>(with no coil suppression)                                                                                              |
| Dielectric Strength<br>(at sea level for 1min) | 4000 Vrms coil to contact<br>1200 Vrms between open contacts                                                                                            |
| Insulation<br>Resistance                       | 1000 megohms min. at 20°C, 500 VDC,<br>50% RH                                                                                                           |
| Dropout                                        | Greater than 10% of nominal coil volt age                                                                                                               |
| Ambient Temperature<br>Operating<br>Storage    | At nominal coil voltage<br>-40°C (-40°F) to 70°C (158°F)<br>-40°C (-40°F) to 105°C (221°F)                                                              |
| Vibration                                      | 0.04" DA at 10–55 Hz                                                                                                                                    |
| Shock<br>Operating<br>Non-Operating            | 10 g, 11 ms, 1/2 sine (no false operation)<br>100 g, 11 ms, 1/2 sine (no damage)                                                                        |
| Enclosure                                      | P.B.T. polyester                                                                                                                                        |
| Terminals                                      | Tinned copper alloy<br>P.C. & quick connect<br>Note: Allow suitable slack on leads when wiring, and<br>do not subject the terminals to excessive force. |
| Weight                                         | 55 grams                                                                                                                                                |

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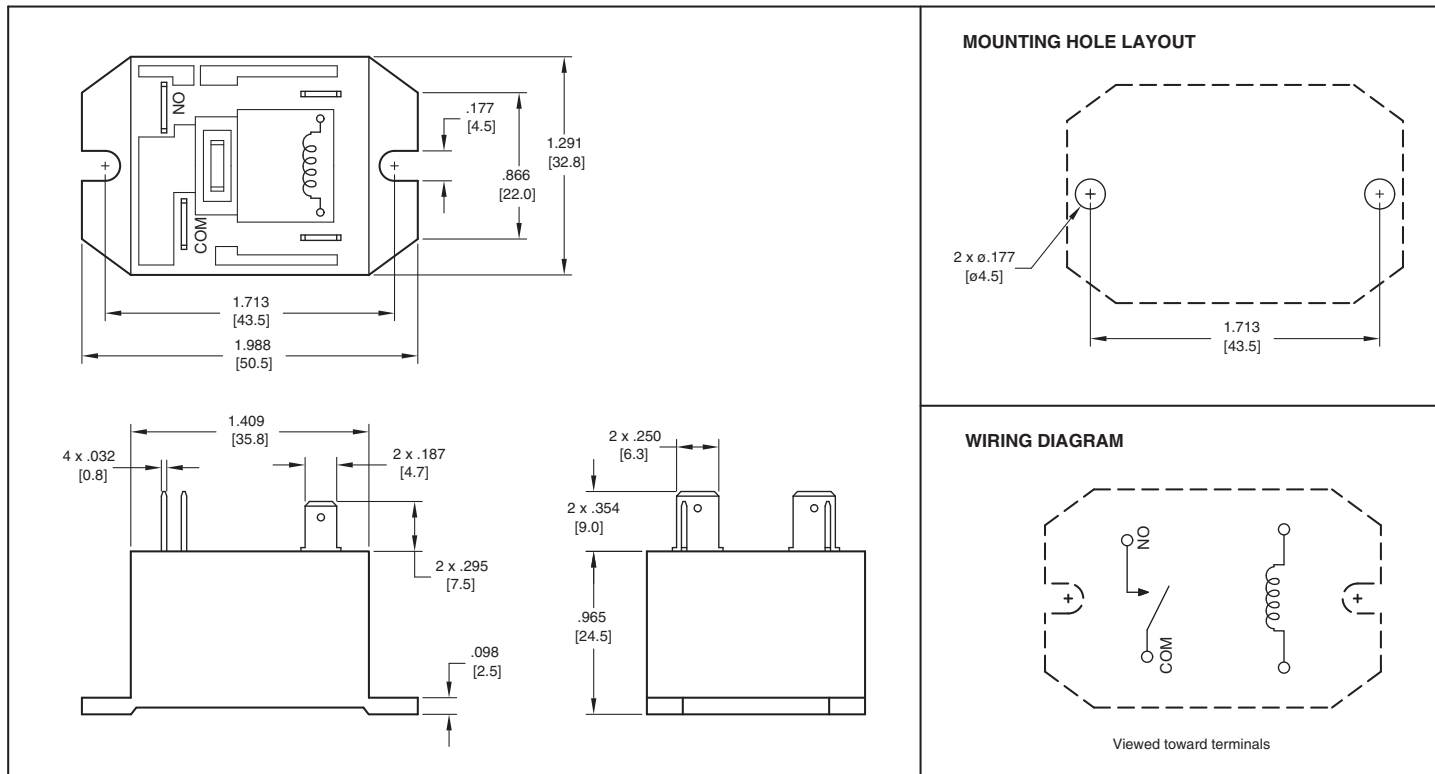
11/30/05W

# AZ2310

## RELAY ORDERING DATA

| COIL SPECIFICATIONS |                  |                     |                            | ORDER NUMBER       |
|---------------------|------------------|---------------------|----------------------------|--------------------|
| Nominal Coil VDC    | Must Operate VDC | Max. Continuous VDC | Coil Resistance $\pm 10\%$ | Form A (SPST N.O.) |
| 3                   | 2.1              | 3.9                 | 7.5                        | AZ2310-1A-3D       |
| 5                   | 3.5              | 6.3                 | 20                         | AZ2310-1A-5D       |
| 6                   | 4.2              | 7.7                 | 30                         | AZ2310-1A-6D       |
| 9                   | 6.3              | 11.6                | 67                         | AZ2310-1A-9D       |
| 12                  | 8.4              | 15.5                | 120                        | AZ2310-1A-12D      |
| 24                  | 16.8             | 31.0                | 480                        | AZ2310-1A-24D      |
| 48                  | 33.6             | 62.0                | 1920                       | AZ2310-1A-48D      |
| 60                  | 42.2             | 77.5                | 3000                       | AZ2310-1A-60D      |

## MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance:  $\pm .010$ "

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E-MAIL: SALES@AZETTLER.COM

This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.