

AZ9722

30 AMP MINIATURE POWER RELAY FOR AUTOMOTIVE USE

FEATURES

- Low cost
- Up to 30 Amp switching capability in a compact size
- Coils to 24 VDC
- Fits standard wiring harness socket
- Vibration and shock resistant
- Designed for high in-rush applications
- Available with parallel coil resistor



CONTACTS

| | |
|---------------------|--|
| Arrangement | SPST (1 Form A) |
| Ratings | Resistive load: Max. switched power: 360 W Max. switched current: 30 A Max. switched voltage: 30VDC |
| Minimum Load | 5 VDC, 0.1 A |
| Material | Silver alloy |
| Resistance | < 50 milliohms initially |

COIL

| | |
|------------------------------------|-------------------------------|
| Power | |
| At Pickup Voltage (typical) | 608 mW |
| Max. Continuous Dissipation | 2.5 W at 20°C (68°F) ambient |
| Temperature Rise | 60°C (108°F) nominal coil VDC |
| Max. Temperature | 155°C (311°F) |

GENERAL DATA

| | |
|--|--|
| Life Expectancy Mechanical Electrical | Minimum operations 1 x 10 ⁷ operations 1 x 10 ⁵ operations at rated load |
| Operate Time (typical) | 10 ms at nominal coil voltage |
| Release Time (typical) | 10 ms at nominal coil voltage (with no coil suppression) |
| Dielectric Strength (at sea level for 1 min.) | 500 Vrms coil to contact 500 Vrms between open contacts |
| Insulation Resistance | 50 megohms min. at 20°C, 500 VDC, 50% RH |
| Dropout | Greater than 10% of nominal coil voltage |
| Ambient Temperature Operating Storage | At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 155°C (311°F) |
| Vibration | 0.062" DA at 10–55 Hz |
| Shock | 20 g |
| Terminals | Tinned copper alloy, Quick Connect/Socket |
| Weight | 35 g |

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.

AMERICAN ZETTLER, INC.

www.azettler.com

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AZ9722

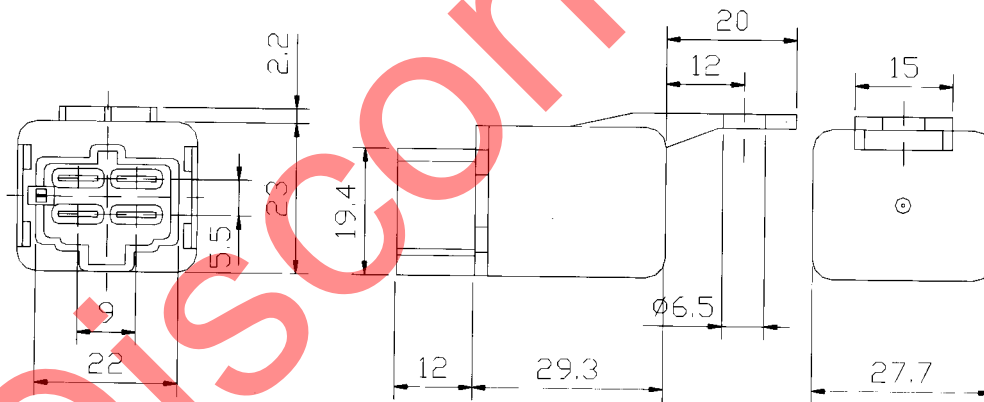
RELAY ORDERING DATA – Standard

| COIL SPECIFICATIONS | | | | ORDER NUMBER |
|---------------------|------------------|---------------------|----------------------------|---------------|
| Nominal Coil VDC | Must Operate VDC | Max. Continuous VDC | Coil Resistance $\pm 10\%$ | Form A (SPST) |
| 12 | 7.8 | 15.8 | 100 | AZ9722-1A-12D |
| 24 | 17 | 31.6 | 400 | AZ9722-1A-24D |

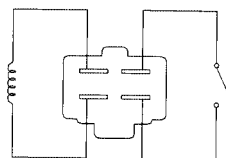
Add suffix R1 for 680/2700 Ohm resistor across 12/24 volt coil.
Add suffix R2 for 820/3200 Ohm resistor across 12/24 volt coil.

MECHANICAL DATA

Outline Dimensions



Wiring Diagram



Viewed toward terminals

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