

AZ992

20 AMP AUTOMOTIVE RELAY

FEATURES

- Designed for Headlight control, Fuel pump control, A/C compressor clutch, and more
- Vibration and shock resistant
- Epoxy sealed version available
- 2.8mm QC terminals



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 280W Max. switched current: 20A Max. switched voltage: 50VDC Rated load: 20A/20A (make/break) at 13.5VDC Resistive 40A/20A (make/break) at 13.5VDC Inductive 100A/20A (make/break) at 13.5VDC Lamp
Material	Silver tin oxide (AgSnO ₂)
Resistance	< 100 milliohms initially (6 V, 1 A voltage drop method)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁶ 1 x 10 ⁵ at 20 A 13.5 VDC Resistive
Operate Time	5 ms typical at nominal coil voltage
Release Time	3 ms typical at nominal coil voltage
Dielectric Strength (at sea level for 1 min.)	500 VAC coil to contact 500 VAC between open contacts
Insulation Resistance	100 megohms min. at 500 VDC 85% RH (at 40°C)
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 125°C (257°F) -40°C (-40°F) to 125°C (257°F)
Vibration	10-40 Hz double amplitude 1.27mm
Shock	20 G
Enclosure	P.B.T. polyester
Terminals	2.8mm QC
Max. Solder Temp	270°C (518°F)
Max. Solder Time	5 seconds
Max. Solvent Temp	80°C (176°F)
Max. Immersion Time	30 Seconds
Weight	11 grams

COIL

Power At Pickup Voltage (typical)	334 mW
Max Temperature	125°C (257°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.

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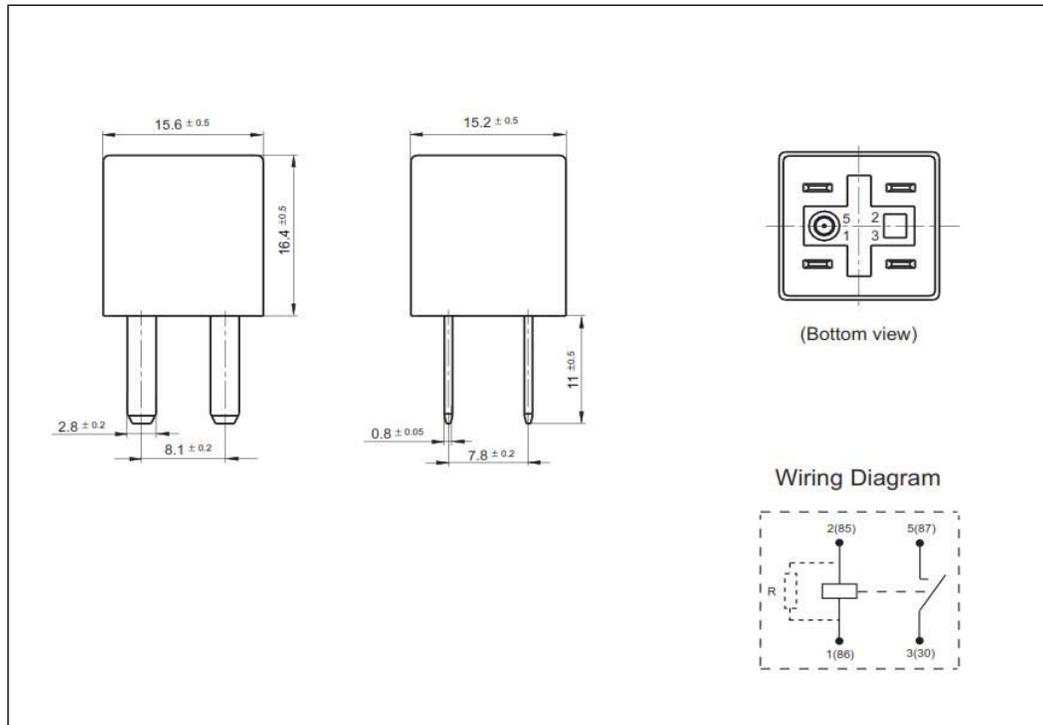
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RELAY ORDERING DATA

STANDARD RELAYS - 1 Form A				ORDER NUMBER
COIL SPECIFICATIONS				ORDER NUMBER
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	1 Form A (SPST)
12	7.2	16.0	155	AZ992-1A-12D

* Add suffix "E" for epoxy sealed version. Add suffix "R" for 1000 Ohm resistor in parallel.

MECHANICAL DATA



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

AMERICAN ZETTLER, INC.

1/3/13

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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.