

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.

AMERICAN ZETTLER, INC.

www.azettler.com

75 COLUMBIA • ALISO VIEJO, CA 92656 • PHONE: (949) 831-5000 • FAX: (949) 831-8642 • E-MAIL: SALES@AZETTLER.COM

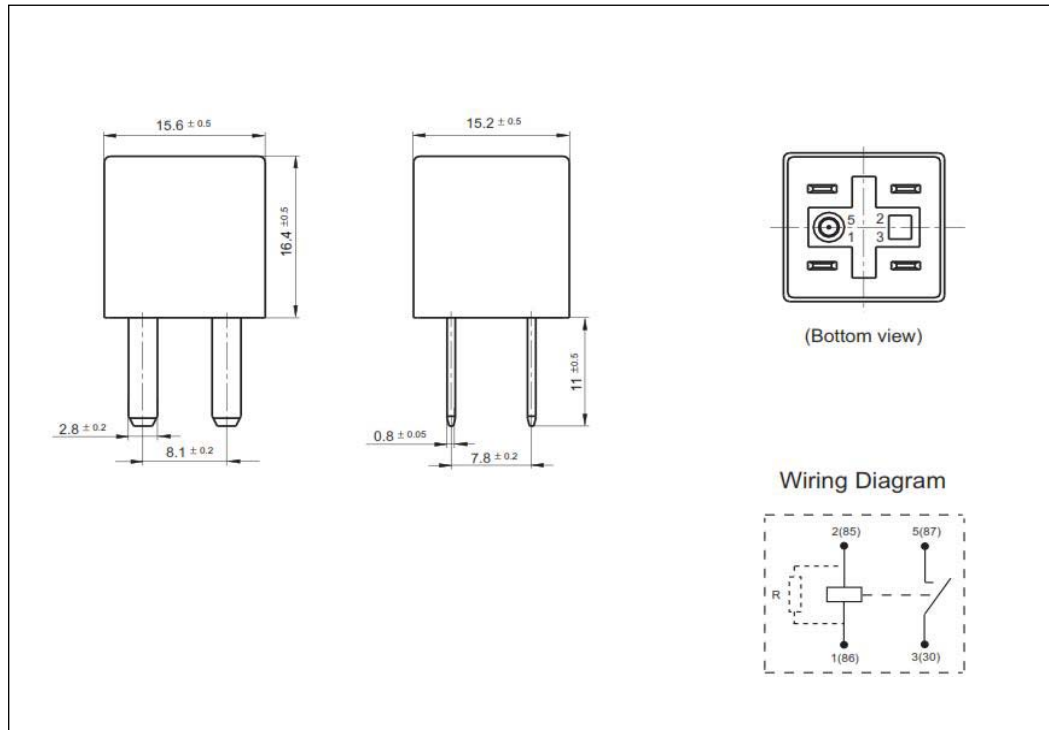
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RELAY ORDERING DATA

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: $\pm .010$ "