AZ9801

70 AMP SUPER-ISO AUTOMOTIVE RELAY

FEATURES

- 70 Amp contact rating "Super ISO"
- High momentary carry current (500 A)
- High operating temperature (125°C)
- SPST (1 Form A)
- Quick connect terminals
- ISO/TS 16949, ISO9001, ISO14000
- Epoxy sealed version available



CONTACTS

Arrangement	SPST (1 Form A)	
Ratings	Resistive load:	
	Max. switched power: 980 W	
	Max. switched current: 70 A	
	Max. switched voltage: 50 VDC	
Material	Silver tin oxide	
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)	

COIL

Power	
At Pickup Voltage (typical)	0.68 W
Max. Continuous Dissipation	4.0 W at 20°C (68°F)
Temperature Rise	56°C (101°F) at nominal coil voltage
Temperature	Max. 155°C (311°F)

NOTES

1. All values at 20°C (68°F).

PHONE: (949) 831-5000

- 2. Relay may pull in with less than "Must Operate" value.
- 3. Specifications subject to change without notice.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 70 A 14 VDC Res.	
Operate Time (typical)	10 ms at nominal coil voltage	
Release Time (typical)	7 ms at nominal coil voltage (with no coil suppression)	
Dielectric Strength (at sea level for 1 min.)	500 Vrms coil to contact 500 Vrms contact to contact	
Insulation Resistance	100 megohms min. at 500 VDC, 20°C 50% RH	
Dropout	Greater than 10% of nominal coil voltage	
Ambient Temperature Operating Storage	-40°C (-40°F) to 125°C (257°F) -40°C (-40°F) to 155°C (311°F)	
Vibration	18g 10-500 Hz	
Shock	30 g	
Enclosure	P.B.T. polyester	
Terminals	Copper alloy Quick Connect Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.	
Weight	40 grams	

AMERICAN ZETTLER, INC.

RELAY ORDERING DATA

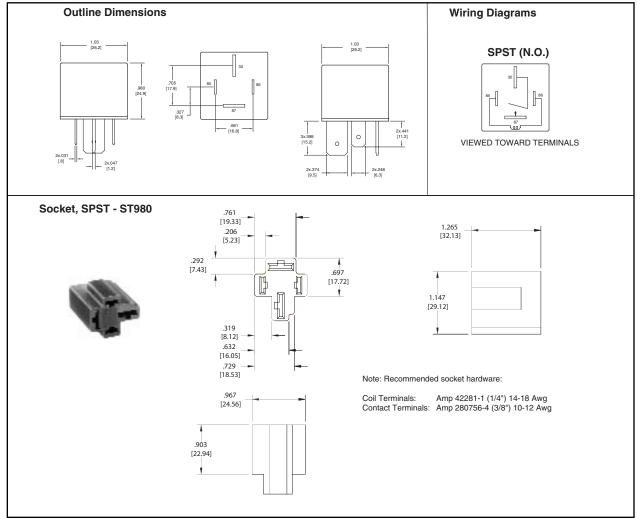
COIL SPECIFICA				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	ORDER NUMBER*
6	3.2	9	22.5	AZ9801-1A-6D
12	7.2	18	90	AZ9801-1A-12D
24	14.4	37	360	AZ9801-1A-24D
COIL SPECIFICA				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	ORDER NUMBER*
6	3.2	7	18	AZ9801-1A-6DH
12	7.2	14	72	AZ9801-1A-12DF
24	14.4	28	288	AZ9801-1A-24DH

^{*} For parallel resistor add "R" to end of part number. Parallel resistor values: 6V: 180 ohms, 12V: 680 ohms, 24V: 2700 ohms. Add suffix "E" for epoxy sealed version.

HARDWARE ORDERING DATA

DESCRIPTION	ORDER NUMBER	
Socket	ST980	

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"

9/18/14