AZ980

80 AMP MINI-ISO AUTOMOTIVE RELAY

FEATURES

- 80 Amp contact rating "Super ISO"
- High momentary carry current (500 A)
- High operating temperature (85°C)
- SPST N.O. (1 Form A), SPDT (1 Form C) SPST - N.C. (1 Form B)
- Quick connect terminals
- ISO/TS 16949, ISO14001
- Tested in accordance with SAEJ2544



Arrangement	SPST - N.O. (1 Form A), SPST - N.C. (1 Form B), SPDT (1 Form C)		
Ratings	Resistive load:		
	Max. switched power: 1120 W (SPST) Form A 840 W (N.O.) Form C 840 W (N.C.) Form C, Form B		
	Max. switched current: 80 A (SPST) Form A 60 A (N.O.) Form C 60 A (N.C.) Form C, Form B		
	Max. switched voltage: 30 VDC		
Material	Silver tin oxide		
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)		

COIL

Power			
At Pickup Voltage (typical)	0.76 W		
Max. Continuous Dissipation	3.0 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).
- 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 80 A 14 VDC Res.		
Operate Time (typical)	7 ms at nominal coil voltage		
Release Time (typical)	5 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 85°C (185°F) -40°C (-40°F) to 105°C (211°F)		
Vibration	0.062" DA at 10-55 Hz		
Shock	10 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	46 grams		



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RELAY ORDERING DATA

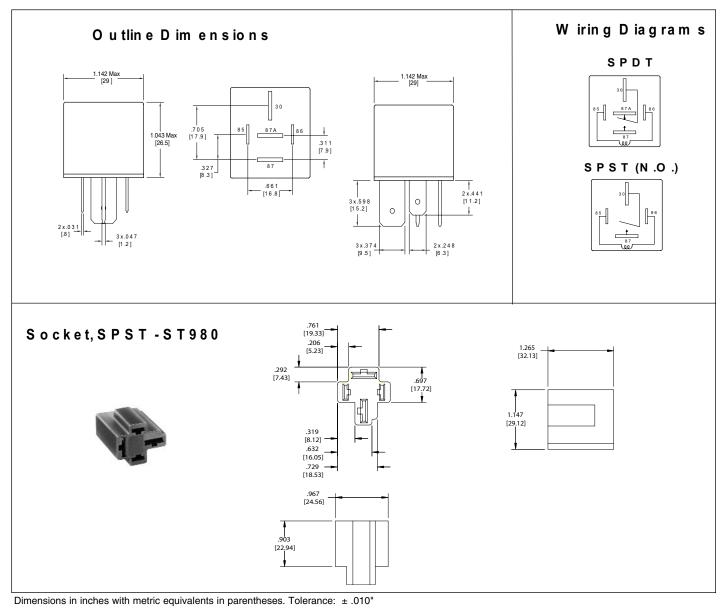
COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	SPST	SPDT
6	3.9	7.8	20	AZ980–1A–6D	AZ980-1C-6D
12	7.8	19.0	90	AZ980–1A–12D	AZ980-1C-12D
24	15.6	37.9	360	AZ980–1A–24D	AZ980-1C-24D

* For SPST (N.C.) (1 Form B) relay, substitute "-1B" for "-1A". Add suffix "R" for resistor in parallel with coil. Resistor values: 6V: 180 ohms, 12V: 680 ohms, 24V: 2700 ohms. Add suffix "D" for diode across coil (anode (+) on terminal #86). Add suffix "E" for epoxy sealed version.

HARDWARE ORDERING DATA

DESCRIPTION	ORDER NUMBER		
Socket	ST980		

MECHANICAL DATA



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