AZ986

40 AMP 280-ISO AUTOMOTIVE RELAY

FEATURES

- 40 Amp contact rating
- Coils to 24VDC
- High operating temperature (125°C)
- SPST (1 Form A), SPDT (1 Form C)
- Available with shrouded weatherproof cover
- Coil suppression available
- ISO/TS 16949, ISO9001, ISO 14000
- Tested in accordance with SAE J2544

CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)			
Ratings	Resistive load:			
	Max. switched power: 560 W (SPST) 560 W (N.O.) 420 W (N.C.)			
	Max. switched current: 40 A (SPST) 40 A (N.O.) 30 A (N.C.)			
	Max. switched voltage: 100 VDC			
	*Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.			
Material	Silver tin oxide			
Resistance	< 100 milliohms initially (6 V, 1 A voltage drop method)			

COIL

Power		
At Pickup Voltage (typical)	0.58 W	
Max. Continuous Dissipation	3.7 W at 20°C (68°F)	
Temperature Rise	52°C (94°F) at nominal coil voltage	
Temperature	Max. 180°C (356°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 40 A 14 VDC Res.	
Operate Time (max.)	7 ms at nominal coil voltage	
Release Time (max.)	4 ms at nominal coil voltage	
Dielectric Strength (at sea level for 1 min.)	500 Vrms coil to contact 500 Vrms contact to contact	
Insulation Resistance	600 megohms min. at 500 VDC, 20°C 50% RH	
Dropout	Greater than 10% of nominal coil voltage	
Ambient Temperature Operating Storage	-55°C (-67°F) to 125°C (257°F) -55°C (-67°F) to 155°C (311°F)	
Vibration	1.27mm DA 10-40 Hz 5 g 40-70 Hz 0.5mm DA 70-100 Hz 10 g 100-500 Hz	
Shock	200 m/s ²	
Enclosure	P.B.T. polyester	
Terminals	Tinned copper alloy 0.110 Quick Connect Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.	
Weight	22 grams (37 grams shrouded version)	



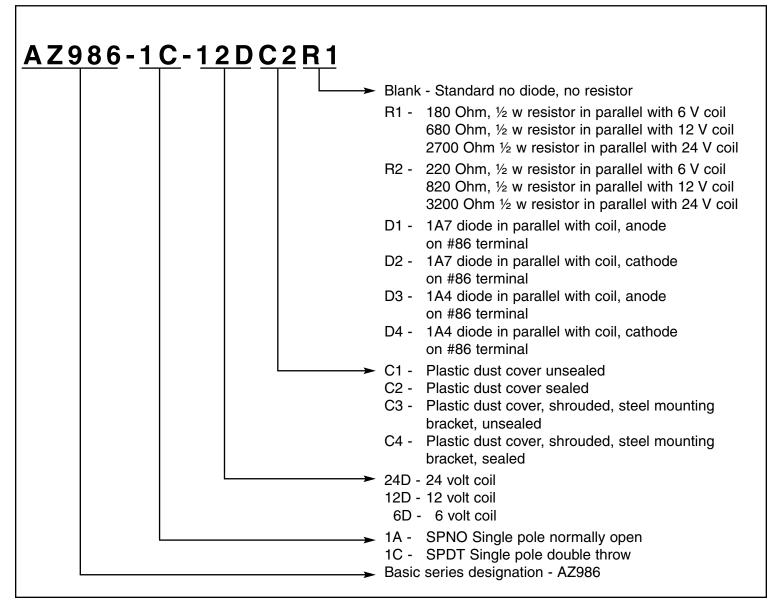
www.azettler.com

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RELAY ORDERING DATA

COIL SPECIFICATIONS				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	
6	3.6	10	27	
12	7.2	20.2	109	
24	14.4	39.3	436	

RELAY ORDERING DATA



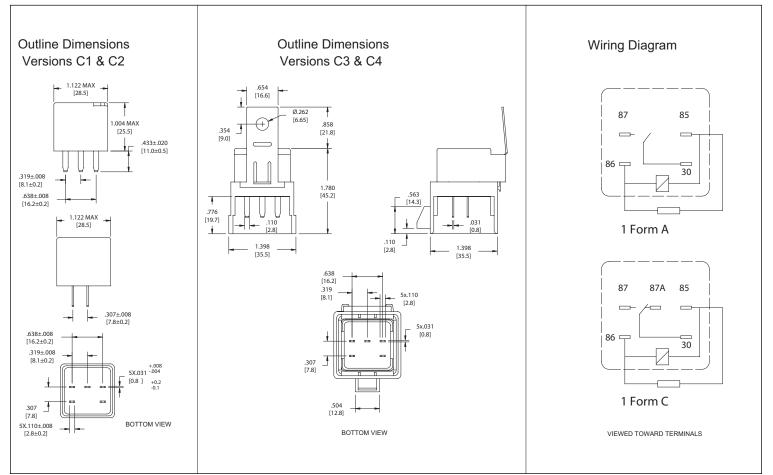


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MECHANICAL DATA



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



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