AZ973

40 AMP MINI-ISO AUTOMOTIVE RELAY

FEATURES

- Quick connect terminals
- 40 Amp contact rating
- High momentary carry current (60A)
- High operating temperature (110°C)
- SPST (1 Form A), SPDT (1 Form C)
- Epoxy sealed versions available
- Metal or plastic mounting bracket available
- Resistor or diode parallel to coil available
- ISO/TS 16949, ISO14000



CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)		
Ratings	Resistive load:		
	Max. switched power: 560W (SPST) 560W (N.O.) 420W (N.C.)		
	Max. switched current: 40A (SPST) 40A (N.O.) 30A (N.C.)		
	Max. switched voltage: 75VDC		
Material	Silver tin oxide		
Resistance	< 100 milliohms initially (6V, 1A voltage drop method)		

COIL

Power		
At Pickup Voltage (typical)	0.68W	
Max. Continuous Dissipation	5.1W at 20°C (68°F)	
Temperature Rise	52°C (94°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

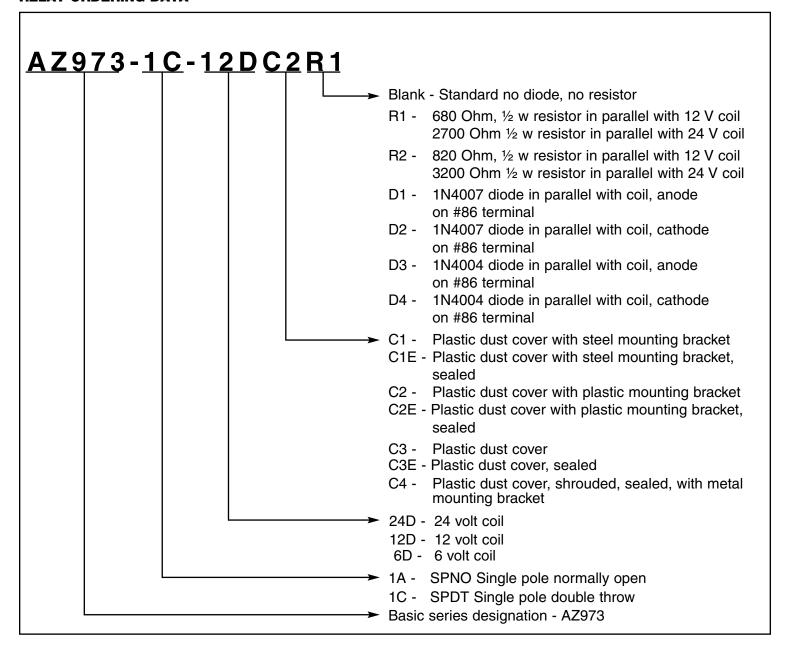
Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁶ at 40A, 14VDC Res.	
Operate Time (max.)	7ms at nominal coil voltage	
Release Time (max.)	5ms at nominal coil voltage	
Dielectric Strength (at sea level for 1 min.)	500Vrms coil to contact 500Vrms contact to contact	
Insulation Resistance	100 megohms min. at 500VDC, 20°C 50% RH	
Dropout	Greater than 10% of nominal coil voltage	
Ambient Temperature Operating Storage	-55°C (-67°F) to 110°C (230°F) -55°C (-67°F) to 155°C (311°F)	
Vibration	0.062" DA at 10-40 Hz	
Shock	100 m/s ²	
Enclosure	P.B.T. polyester	
Terminals	Tinned copper alloy 0.25 Quick Connect Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.	
Weight	Approx. 35 grams	

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RELAY ORDERING DATA

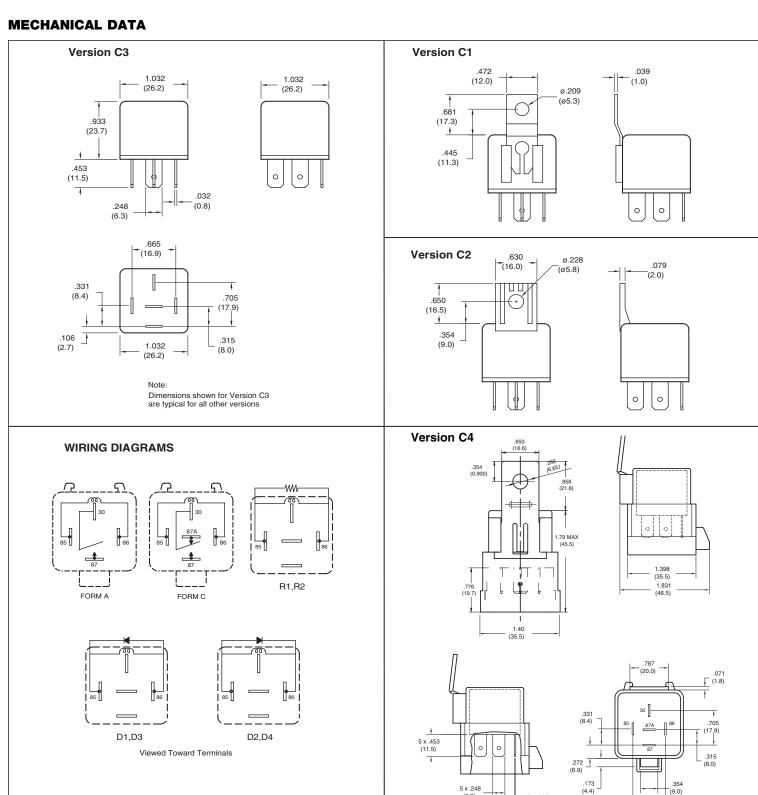
COIL SPECIFICATIONS					
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%		
6	3.9	10.1	22		
12	7.8	20.2	85		
24	15.6	40.5	350		

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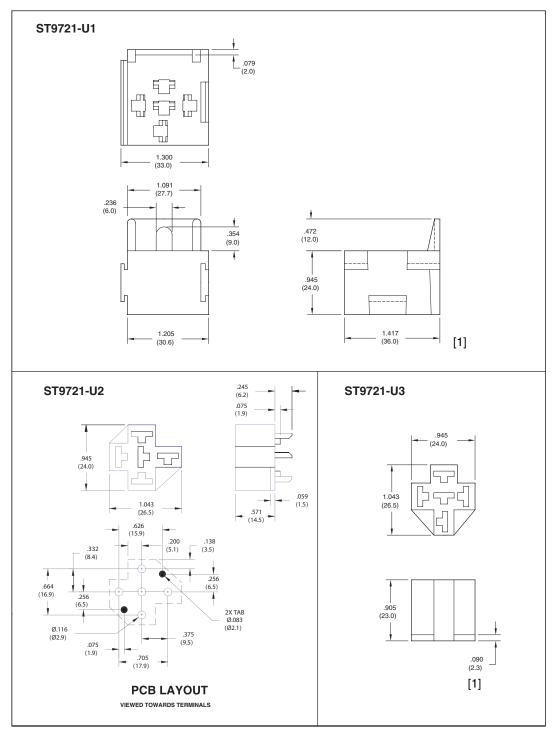


Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"

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Connector for use with Version C4- Connectors to mate with AZ973 relay with the version C4 cover are available from Delphi Connection Systems (www.delphiconnect.com). (Typical Delphi part number is 12065685)

Sockets & Hardware for AZ973



[1] Recommended receptical connector Amp Part numbers are 5-160558-9 or 5-1605-26-9

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2/02/16