AZ9721_

40 AMP AUTOMOTIVE RELAY

FEATURES

- 40 Amp contact rating
- High momentary carry current (60A)
- SPST (1 Form A), SPDT (1 Form C)
- Quick connect terminals
- Metal or plastic mounting bracket available
- · Resistor or diode parallel to coil available

CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)
Ratings	Resistive load:
	Max. switched power: 480 W (SPST) 480 W (N.O.) 360 W (N.C.)
	Max. switched current: 40 A (SPST) 40 A (N.O.) 30 A (N.C.)
	Max. switched voltage: 75 VDC
Minimum Load	5 VDC, 0.1 A
Material	Silver alloy
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power		
At Pickup Voltage (typical)	0.76 W	
Max. Continuous Dissipation	4.0 W at 20°C (68°F)	
Temperature Rise	63°C (113°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 rated load			
Operate Time (typical)	10 ms at nominal coil voltage			
Release Time (typical)	10 ms at nominal coil voltage (with no coil suppression)			
Dielectric Strength (at sea level for 1 min.)	750 Vrms coil to contact 750 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	-55°C (-67°F) to 70°C (158°F) -55°C (-67°F) to 155°C (311°F)			
Vibration	0.062" DA at 20-200 Hz			
Shock	20 g			
Enclosure	P.B.T. polyester			
Terminals	Copper alloy 0.25 Quick Connect			
Weight	40 grams			

ZETTLER

AZ9721-1A-12DC2

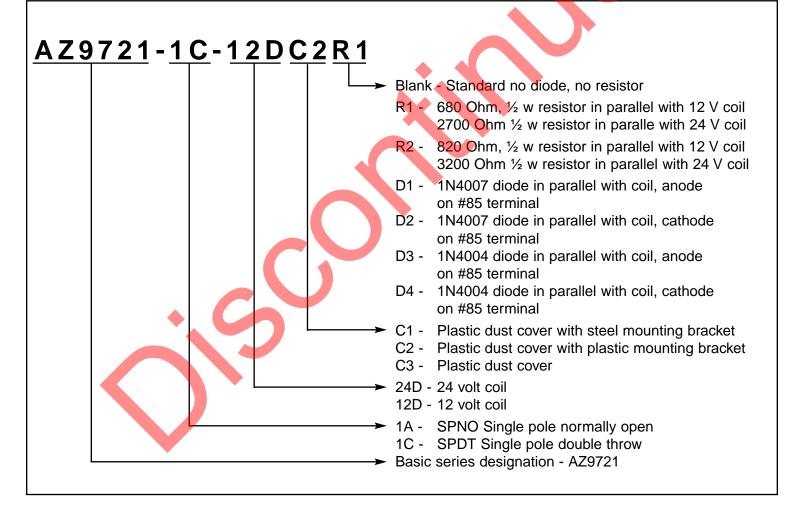
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COIL SPECIFICATIONS

Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%
12	7.8	17.8	80
24	17.0	36.0	320

RELAY ORDERING DATA

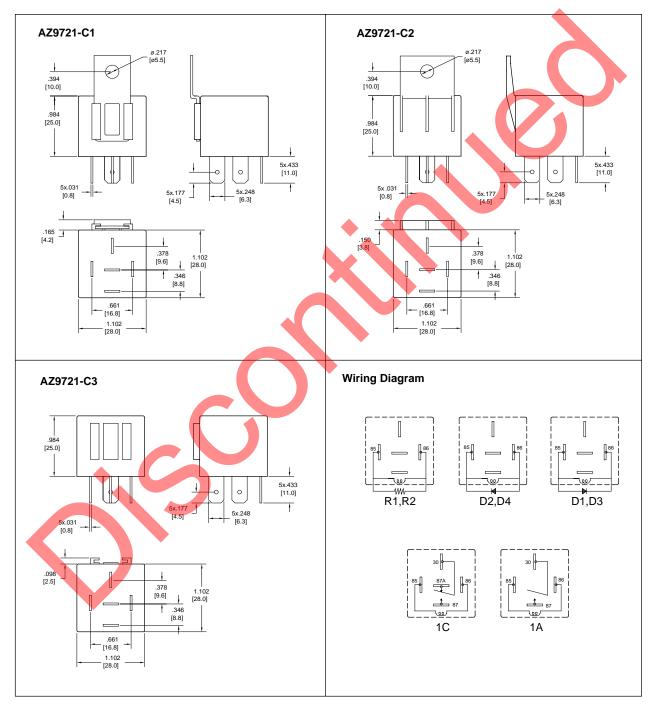


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MECHANICAL DATA

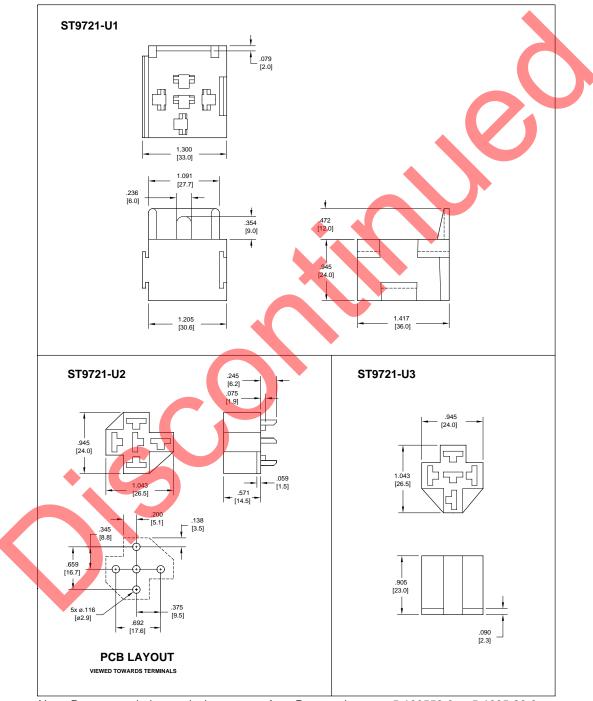


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Sockets & Hardware for AZ9721



Note: Recommended receptical connector Amp Part numbers are 5-160558-9 or 5-1605-26-9

AMERICAN ZETTLER, INC.

9/3/98W

PHONE: (949) 831-5000

E-MAIL: SALES@AZETTLER.COM

PHONE: (949) 831-5000 E-MAIL: SALES @ AZETTLER.COM
This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product
under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.