AZ935_

20 AMP SUB-MINIATURE POWER RELAY FOR AUTOMOTIVE USE

FEATURES

- Up to 20 Amp switching capability in a compact size
- Sealed
- Two separate relays in one package
- · Vibration and shock resistant
- · Designed for power windows, power seats and wiper applications
- Extremely silent operation
- QS-9000 Factory



CONTACTS

Arrangement	DPDT (2 Form C)		
Ratings	Max. switched power: 280 W Max. switched voltage: 28 VDC Max. switched current (make/break), continuous: 2 Form C: 25A/20A, 20A		
Material	Silver tin oxide		
Resistance	< 100 milliohms at 1A, 5 VDC		

COIL

Power			
At Pickup Voltage (typical)	203 mW		
Max. Continuous Dissipation	1.0 W 20°C (68°F) ambient		
Temperature Rise	42°C (76°F) nominal coil VDC		
Max. Temperature	155°C (311°F)		

NOTES

- 1. All values at 20°C (68°F).
- 2. Maximum make current refers to in-rush current of lamp load.
- 3. Relay may pull in with less than "Must Operate" value.
- 4. Specifications subject to change without notice.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ operations 2 x 10 ⁵ operations at 20 A 14 VDC Res.		
Operate Time (typical)	3 ms at nominal coil voltage		
Release Time (typical)	1.5 ms at nominal coil voltage (with no coil suppression)		
Dielectric Strength (at sea level for 1 min.)	500 Vrms coil to contact 500 Vrms between open contacts		
Insulation Resistance	100 megohms min. at 20°C, 500 VDC, 50% RH		
Dropout	> 8.3% of nominal coil voltage		
Ambient Temperature Operating	At nominal coil voltage -40°C (-40°F) to 85°C (185°F)		
Vibration	0.062" (1.5 mm) DA at 10–55Hz, 10 g at 55-200 Hz		
Shock	30 g, 11 ms, functional		
Terminals	Tinned copper alloy, P.C.		
Max. Solder Temp.	270°C (518°F)		
Max. Solder Time	5 seconds		
Max. Solvent Temp.	80°C (176°F)		
Max. Immersion Time	30 seconds		
Weight	15 grams		

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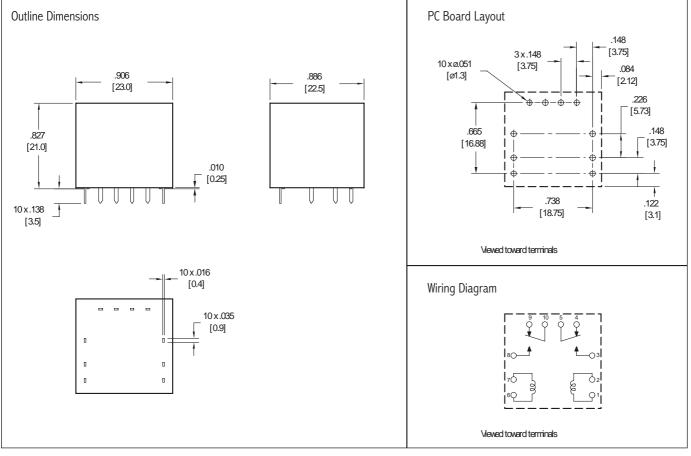
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This product specification to be used only together with the application notes which can be downloaded from http://www.ZETTLERelectronics.com/pdfs/relais/ApplicationNotes.pdf

RELAY ORDERING DATA

COIL SPECIFICATIONS - DC Coil ORDER NUMBER*				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ±10%	2 Form C (SPDT)
12.0	7.2	15.0	255	AZ935–2C–12DET

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± 0.010"

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