AZ756 _

20 AMP MINIATURE POWER RELAY

FEATURES

- Dielectric strength 5000 Vrms
- Low cost
- 20 Amp switching single pole contacts
- Isolation spacing greater than 8mm
- UL Class B insulation system standard Class F available
- UL, CUR file E43203, TÜV R50156590



CONTACTS

Arrangement	SPST - N.O.						
Ratings	Resistive load:						
	Max. switched power: 480 W or 4000 VA Max. switched current: 20 A Max. switched voltage: 150* VDC or 277 VAC						
	*Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.						
Rated Load UL, CUR	20 A at 125 VAC Resistive, 100k cycles 16 A at 250 VAC Resistive, 100k cycles 16 A at 30 VDC Resistive, 100k cycles						
TÜV	16 A at 250 VAC Resistive, 100k cycles 16 A at 30 VDC Resistive, 50k cycles						
Material	Silver tin oxide						
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)						

COIL

Power					
At Pickup Voltage (typical)	340 mW				
Max. Continuous Dissipation	1.5 W at 20°C (68°F) ambient 1.1 W at 40°C (104°F) ambient				
Temperature Rise	41°C (74°F) at nominal coil voltage				
Temperature	Max. 130°C (266°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 16 A 240 VAC Res.				
Operate Time (typical)	20 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.)	5000 Vrms coil to contact 1000 Vrms between open contacts				
Insulation Resistance	1000 megohms min. at 20°C 500 VDC 50% RH				
Dropout	Greater than 10% of nominal coil voltage				
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 130°C (266°F)				
Vibration	0.062" DA at 10-55 Hz				
Shock	10 g				
Enclosure	P.B.T. polyester				
Terminals	Tinned copper alloy, P.C. and Quick Connects Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.				
Max. Solder Temp.	270°C (518°F)				
Max. Solder Time	5 seconds				
Weight	13 grams				

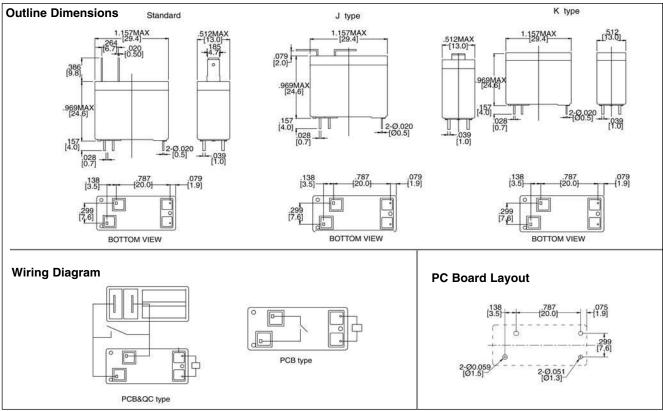
AZ756

RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*		
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Vertical QC	Horizontal QC	No QC
5	4.0	8.4	47	AZ756-1A-5D	AZ756-1A-5DJ	AZ756-1A-5DK
6	4.8	10.1	68	AZ756-1A-6D	AZ756-1A-6DJ	AZ756-1A-6DK
9	7.2	15.3	155	AZ756-1A-9D	AZ756-1A-9DJ	AZ756-1A-9DK
12	9.6	20.1	270	AZ756-1A-12D	AZ756-1A-12DJ	AZ756-1A-12DK
18	14.4	30.5	620	AZ756-1A-18D	AZ756-1A-18DJ	AZ756-1A-18DK
24	19.2	40.6	1100	AZ756-1A-24D	AZ756-1A-24DJ	AZ756-1A-24DK
48	38.4	81.2	4400	AZ756-1A-48D	AZ756-1A-48DJ	AZ756-1A-48DK

^{*} Add suffix "F" for Class F.

MECHANICAL DATA



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