

AZ762F

20 A SPST MINIATURE POWER RELAY WITH QUICK CONNECTS

FEATURES

- High temperature operation 125°C
- Dielectric strength 5000 Vrms
- 10 kV surge withstand
- 20 Amp switching
- Low profile Quick connects, Horizontal or Vertical
- Class F (155°C) standard
- Isolation spacing greater than 10 mm
- UL, CUR file E44211, VDE 40006031



CONTACTS

Arrangement	SPST (1 Form A, 1 Form B)
Ratings	Resistive load: Max. switched power: 600 W or 5540 VA Max. switched current: 20 A Max. switched voltage: 150* VDC or 440 VAC <small>*Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.</small>
Rated Load UL, CUR	20 A at 277 VAC general use, 100k cycles
VDE	18 A at 250 VAC, Res., 20k cycles (N.O.) 16 A at 250 VAC, Res., 80k cycles 12 A at 400 VAC, Res., 80k cycles
Material	Silver nickel, (gold plating available)
Resistance	< 50 milliohms initially (using 6 V 1 A method)

COIL

Power	
At Pickup Voltage (typical)	196 mW
Max. Continuous Dissipation	1.7 W at 20°C (68°F) ambient
Temperature Rise	26°C (47°F) at nominal coil voltage
Max. Temperature	155° (311°F)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 20 A 277 VAC general use
Operate Time (typical)	7 ms at nominal coil voltage
Release Time (typical)	3 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 125°C (257°F) -40°C (-40°F) to 155°C (311°F)
Vibration	0.062" DA at 10–55 Hz
Shock	10 g
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P.C., QC
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	14 grams

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.

AMERICAN ZETTLER, INC.

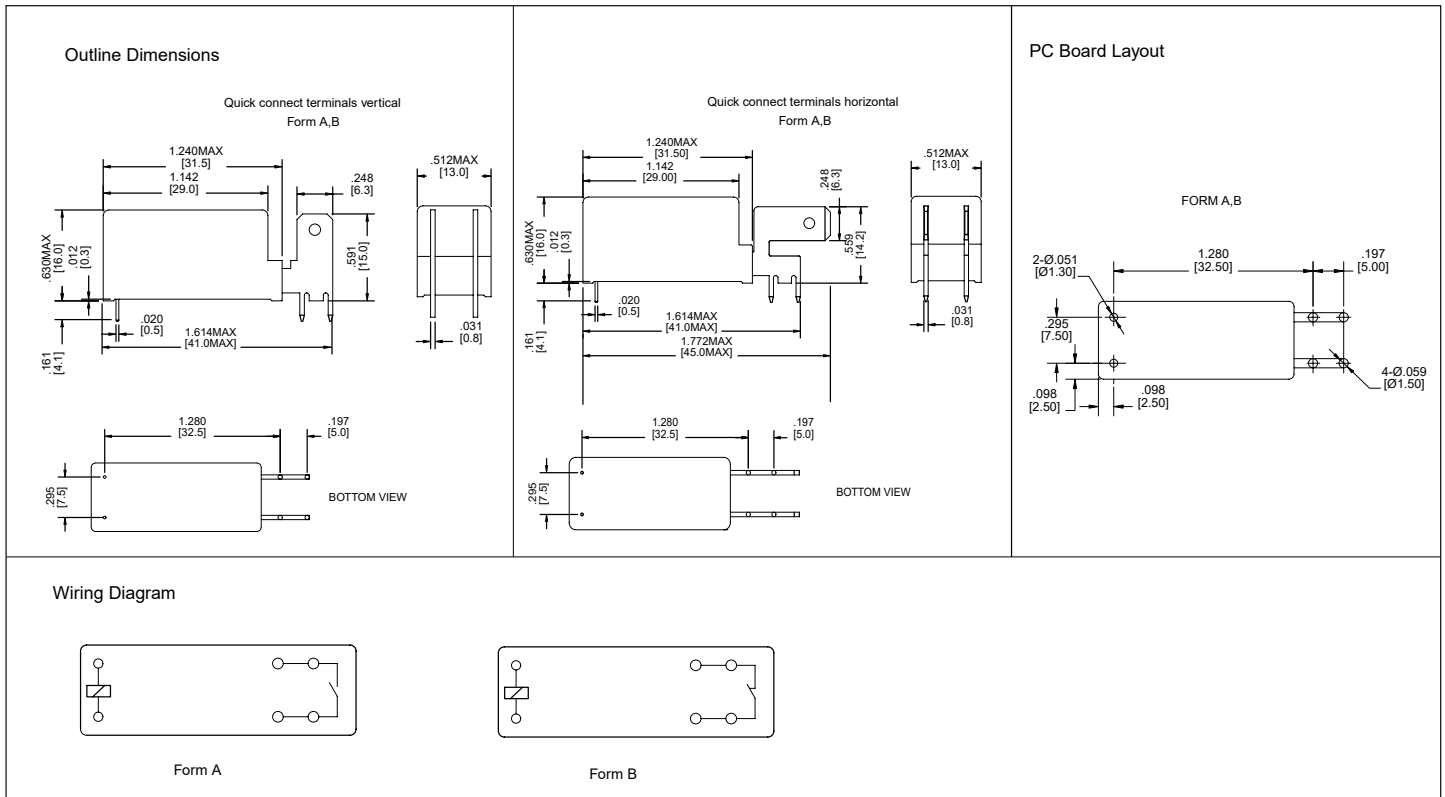
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RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance	Vertical Quick Connects	Horizontal Quick Connects
5	3.5	10.2	62 ± 10%	AZ762FV-1AB-5DF	AZ762FH-1AB-5DF
6	4.2	12.3	90 ± 10%	AZ762FV-1AB-6DF	AZ762FH-1AB-6DF
9	6.3	18.5	200 ± 10%	AZ762FV-1AB-9DF	AZ762FH-1AB-9DF
12	8.4	24.7	360 ± 10%	AZ762FV-1AB-12DF	AZ762FH-1AB-12DF
24	16.8	49.4	1,440 ± 10%	AZ762FV-1AB-24DF	AZ762FH-1AB-24DF
48	33.6	98.0	5,760 ± 15%	AZ762FV-1AB-48DF	AZ762FH-1AB-48DF
60	42.0	112.9	7,500 ± 15%	AZ762FV-1AB-60DF	AZ762FH-1AB-60DF

*Substitute "-1BB" in place of "-1AB" for 1 Form B. For gold plated contacts change "DF" to "DAF".

MECHANICAL DATA



Dimensions in inch with millimeters in brackets below. Tolerance: ± .010"