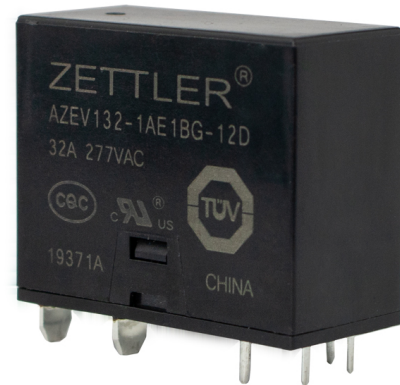


# AZEV132

## 32A POWER RELAY

### FEATURES:

- 32 Amp switching
- With 1 form B monitor contacts optional
- 1500 Amp short circuit current (carrying)
- Wide contact gap > 2.25 mm
- Dielectric strength 4000 Vrms
- UL:E365652
- TUV:B0887930014



### CONTACTS:

<b>Arrangement</b>	DPST (1 Form A + 1 Form B) DPST (1 Form A)
<b>Ratings</b>	Resistive load: AZEV132 Max. switched power: 1200W or 12800 VA Max. switched current: 32 A Max. switched voltage: 30 VDC or 400 VAC
<b>Rated Load UL/CUL</b>	AZEV132 32 A at 277 VAC, Res. 50K, @85°C (NO.) 40 A at 277 VAC, Res. 6K, @45°C (NO.) 10 mA at 12 VDC, Res. 50K, @85°C (NC.)
<b>TUV</b>	AZEV132 32 A at 277 VAC, Res. 50K, @85°C (NO.) 40 A at 277 VAC, Res. 6K, @45°C (NO.) 10 mA at 12 VDC, Res. 50K, @85°C (NC.)
<b>Material</b>	Silver tin oxide (N.O.), gold plating(N.C.)
<b>Resistance</b>	<50 mΩ initially

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 100,000 cycles Min. 50k cycles @32A 277VAC Res. 50k cycles @32A 277VAC Res.
<b>Operate Time(typical)</b>	30 ms Max. at nominal coil voltage
<b>Release Time(typical)</b>	10 ms Max. at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (Initial)</b>	4.0KVrms(coil and power contacts) 2.5KVrms(between open power contacts) 4.0KVrms(monitor and power contacts)
<b>Pulse Current Capability .(Carrying)</b>	≥ 1.50kA; ≥ 6.0kA <sup>2</sup> s
<b>Insulation Resistance</b>	1,000MΩ min. at 20°C 500VDC 50% RH
<b>Holding voltage</b>	Greater than 35% of nominal coil voltage
<b>Dropout</b>	Greater than 5% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	At rated coil voltage -40°C(-40F )to 85°C(185°F) -40°C(-40F )to 105°C(221°F)
<b>Vibration</b>	1.5mm DA at 10-55 Hz
<b>Enclosure</b>	P.B.T, Polyester
<b>Terminals</b>	Tinned copper alloy, P.C.
<b>Max. Solder Temp.</b>	270°C(518°F)
<b>Max. solder time</b>	5 seconds
<b>Weight</b>	35g

### COIL

<b>Power At pickup Voltage Max. Continuous Dissipation Temperature Rise</b>	875 mw (typical) 1.55 W at 20°C(68°F) ambient 70°C Max. at Rated voltage, 85°C
<b>Temperature</b>	Max. 155°C(311°F) class 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

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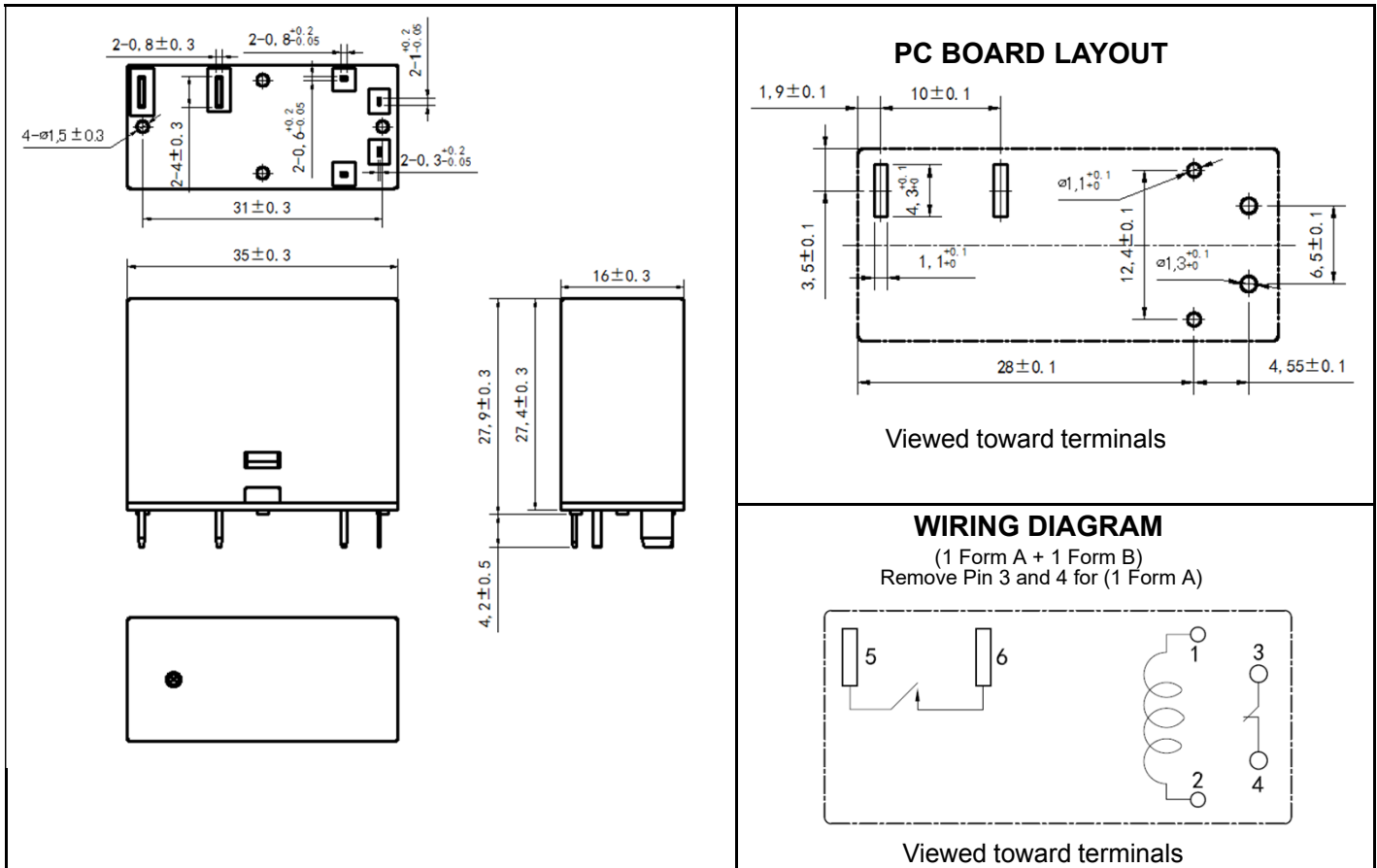
# AZEV132

## RELAY ORDERING DATA

COIL SPECIFICATIONS					ORDER NUMBER
Nominal Coil VDC	Must Operate VDC	Min. holding VDC	Max. Continuous VDC	Coil Resistance $\Omega \pm 10\%$	
5	3.75	1.75	6	16.15	AZEV132-1AE1BG-5D
9	6.75	3.15	10.8	52.3	AZEV132-1AE1BG-9D
12	9	4.2	14.4	93	AZEV132-1AE1BG-12D
24	18	8.4	28.8	372	AZEV132-1AE1BG-24D
48	36	16.8	57.6	1488	AZEV132-1AE1BG-48D

- Remove "1BG" for relay without monitor contacts
- All values at 20°C
- Terminal down-wards direction for operation voltage parameter.

## MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance:  $\pm .010$ "

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