

AZEV116/132

16A /32A

POWER RELAY

FEATURES:

- 16 Amp switching (AZE116)
- 32 Amp switching (AZE132)
- Monitor contacts available
- 1500 Amp short circuit current (carrying)
- Wide contact gap > 2.25 mm
- Dielectric strength 4000 Vrms
- UL:E365652
- CQC:19002216104
- TUV:B 088793 0014



CONTACTS:

Arrangement	DPST (1 Form A and 1 Form B)
Ratings	Resistive load: AZE116 Max. switched power: 480 W or 6400 VA Max. switched current: 16 A Max. switched voltage: 30 VDC or 400 VAC AZE132 Max. switched power: 960 W or 12800 VA Max. switched current: 32 A Max. switched voltage: 30 VDC or 400 VAC
Rated Load TUV/CQC	AZE116 16 A at 400 VAC, Res. 50K, @85°C (NO.) 20 A at 400 VAC, Res. 30K, @85°C (NO.) 10 mA at 12 VDC, Res. 50K, @85°C (NC.) AZE132 32 A at 400 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.)
UL/CUL	AZE116 16 A at 277 VAC, Res. 50K, @85°C (NO.) 20 A at 277 VAC, Res. 30K, @85°C (NO.) 10 mA at 12 VDC, Res. 50K, @85°C (NC.) AZE132 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.)
Material	Silver tin oxide (N.O.), gold plating(N.C.)
Resistance	<50 mΩ initially

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 100,000 cycles Min. See rated load
Operate Time(typical)	30 ms Max. at nominal coil voltage
Release Time(typical)	10 ms Max. at nominal coil voltage (with no coil suppression)
Dielectric Strength (Initial)	4.0KVrms(coil and power contacts) 2.5KVrms(between open power contacts) 4.0KVrms(monitor and power contacts)
Pulse Current Capability .(Carrying)	AZE116 ≥ 1.02kA I _p 2.5kA ² s I _t ² AZE132 ≥ 1.50kA I _p 6.0kA ² s I _t ²
Insulation Resistance	1,000MΩ min. at 20°C 500VDC 50% RH
Holding voltage	Greater than 35% of nominal coil voltage
Dropout	Greater than 5% of nominal coil voltage
Ambient Temperature Operating Storage	At rated coil voltage -40°C(-40F)to 85°C(185°F) -40°C(-40F)to 105°C(221°F)
Vibration	1.5mm DA at 10-55 Hz
Enclosure	P.B.T, Polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C(518°F)
Max. solder time	5 seconds
Weight	35g

COIL

Power At pickup Voltage Max. Continuous Dissipation Temperature Rise	875 mw (typical) 2.23 W at 20°C(68°F) ambient 70°C Max. at Rated voltage,85°C
Temperature	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

ZETTLER RELAY (XIAMEN) CO., LTD. www.zettlercn.com

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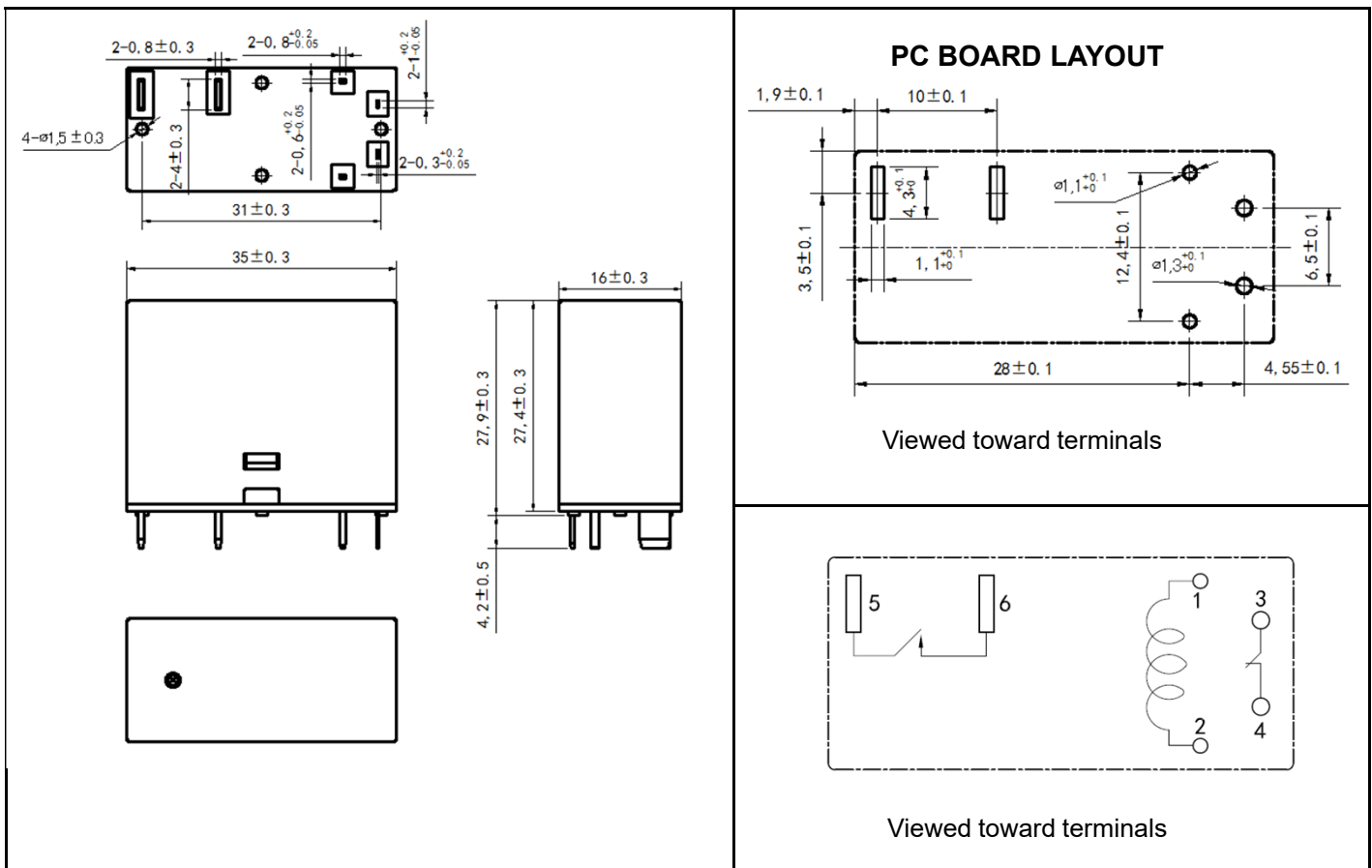
AZEV116/132

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	AZEV116-1AE1BG-5D
9	6.75	3.15	10.8	52.3	AZEV116-1AE1BG-9D
12	9	4.2	14.4	93	AZEV116-1AE1BG-12D
24	18	8.4	28.8	372	AZEV116-1AE1BG-24D
48	36	16.8	57.6	1488	AZEV116-1AE1BG-48D

- Substitute "AZE132" in place of "AZE116" to indicate 32 amp version of relay.
- Remove "1BG" for relay without monitor contacts
- All values at 20°C
- Terminal down-wards direction for operation voltage parameter.

MECHANICAL DATA



Disclaimer: The specification is for reference only. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should evaluate and select the suitable product for their own application. If there is any query, please contact ZETTLER. However, it is the user's responsibility to determine which product should be used only.

免责声明：此规格书仅用于参考。我们不能评估所有可能的应用条件下的性能和参数，所以用户需根据自己的应用评估和选择合适的产品。如有疑问，可以咨询赛特勒；但仍然是用户的责任来选择和使用产品。

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