# AZSR131\_

### 35 AMP MINIATURE POWER RELAY

### **FEATURES:**

- Dielectric strength 4500Vrms, 10KV surge
- · 35 Amp switching capability
- Contact gap: 1.8mm/2.3 mm available
- · UL class F insulation system
- GWT(IEC60335-1) version available
- UL: E365652

TUV: B 088793 005CQC: 17002168255



### **CONTACTS**

Arrangement	SPST (1 Form A)			
	Resistive load:			
	Max. switched power: 9695VA			
Ratings	Max. switched current: 35A			
	Max. switched voltage: 277VAC			
	Max. continuous current: 35 A			
Rated Load UL	26A at 277 VAC, resistive, 85° C, 50k cycles			
	35A at 277 VAC, resistive, 85° C, 30k cycles			
TUV/CQC	22A at 277 VAC, resistive, 70° C, 100k cycles			
	26A at 277 VAC, resistive, 85° C, 50k cycles			
	33A at 277 VAC, cos phi 0.8, 85° C, 50k cycles			
	35A at 277 VAC, cos phi 0.8, 85° C, 30k cycles			
Material	AgSnO2(Silver tin oxide)			
Resistance	$<$ 100 m $\Omega$ initially			
Resistance	(at 6V, 1A, voltage drop method)			

### COIL

Power At pickup Voltage Max. Continuous Dissipation Temperature Rise	790 mw (typical) 2.0 W at 20°C(68°F) ambient 70°C Max. at Rated voltage,35A,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

### **GENERAL DATA**

Life Expectancy Mechanical Electrical	Minimum operations 100,000 cycles Min. ( 2.3mm gap ) 300,000 cycles Min. ( 1.8mm gap ) See UL/TUV/CQC ratings		
Operate Time(typical)	20 ms Max. at nominal coil voltage		
Release Time(typical)	10 ms Max. at nominal coil voltage (with no coil suppression)		
Dielectric Strength (Initial.)	4500 Vrms(coil to contacts) 2500 Vrms(between open contacts)		
Surge Voltage	10KV @1.2/50µs (coil to contacts)		
Insulation Resistance	1,000MΩ min. at 20℃ 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℃(-40F )to 85℃(185℉) -40℃(-40F )to 105℃(221℉)		
Vibration	1.5mm DA at 10-55 Hz		
Shock	20g		
Enclosure	P.B.T, Polyester		
Terminals	Tinned copper alloy, P.C.		
Max. Solder Temp.	<b>270℃(518</b> ℉)		
Max. solder time	5 seconds		
Weight	25g		
Packing unit in pcs	50per tray/500per carton box		

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#### RELAY ORDERING DATA

Nominal Coil VDC	Must Operate VDC	Min. holding VDC	Max. Continuous VDC	Coil Resistance Ω±10%	ORDER NUMBER
5	3.75	1.75	6	18	AZSR131-1AE-5D
9	6.75	3.20	10.8	58	AZSR131-1AE-9D
12	9	4.2	14.4	103	AZSR131-1AE-12D
18	13.5	6.3	21.6	230	AZSR131-1AE-18D
24	18	8.4	28.8	410	AZSR131-1AE-24D
48	36	16.8	57.6	1650	AZSR131-1AE-48D

### **NOMENCLATURE**

AZSR131 - 1A E - 12D GW (200) (XXX)

I. Basic Series AZSR131
II. Contact Form 1A: 1 form A
III. Contact Material E: AgSnO2

IV. Coil Voltage 5, 9, 12, 18, 24, 48 VDC.

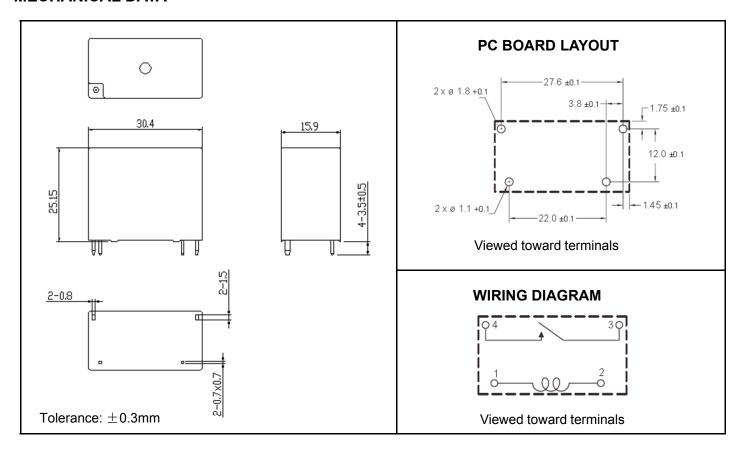
V. Glow wire degree Blank: without glow wire GW: with glow wire

VI. Contact Gap Blank: 1.8 mm (200): 2.3 mm

VII. Special code Additional numbers or letters, which does not designate

construction features or ratings

### **MECHANICAL DATA**



Disclaimer: The specification is for reference only. We could not evalue 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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