

AZSR126

26 AMP MINIATURE POWER RELAY

FEATURES

- Dielectric strength 4500 Vrms
- 31 Amp switching
- Contact gap > 1.8 mm
- Clearance / creepage > 6.4 / 7.5 mm
- UL, CUR file E44211



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 8587 VA Max. switched current: 31 A Max. switched voltage: 277 VAC
Rated Load	31 A at 277 VAC, cos phi 0.8, 85°C, 50k cycles * 31 A at 250 VAC, cos phi 0.8, 85°C, 50k cycles * 26 A at 277 VAC, resistive, 85°C, 50k cycles 26 A at 250 VAC, resistive, 85°C, 50k cycles 22 A at 277 VAC, resistive, 85°C, 100k cycles 22 A at 250 VAC, resistive, 85°C, 100k cycles * duty factor: 0.1 seconds on / 10 seconds off
UL	26 A at 277 VAC, resistive, 75°C, 50k cycles 26 A at 250 VAC, resistive, 75°C, 50k cycles 22 A at 277 VAC, resistive, 85°C, 100k cycles 22 A at 250 VAC, resistive, 85°C, 100k cycles
Material	Silver tin oxide
Resistance	< 100 milliohms initially (at 6 V, 1 A, voltage drop method)

COIL

Power At Pickup Voltage (typical)	690 mW
Max. Continuous Dissipation	2.0 W at 20°C (68°F) ambient
Temperature Rise	90°C (162°F) at nominal coil voltage
Temperature	Max. 155°C (311°F) Class F

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 2 x 10 ⁵ 5 x 10 ⁴ at 26 A 250 VAC Res.
Operate Time	20 ms max. at nominal coil voltage
Release Time	10 ms max. at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	4500 Vrms coil to contact 2500 Vrms between open contacts
Insulation Resistance	1000 megaohms min. at 20°C, 500 VDC 50% RH
Holding Voltage	Greater than 35% of nominal coil voltage
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating	at nominal coil voltage -40°C (-40°F) to 60°C (140°F) at max. 80% of nominal coil voltage -40°C (-40°F) to 85°C (185°F)
Vibration	1.5 mm DA at 10-55 Hz
Shock	20 g
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	260°C (500°F)
Max. Solder Time	5 seconds
Weight	25 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.

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RELAY ORDERING DATA

COIL SPECIFICATIONS					
Nominal Coil VDC	Must Operate VDC	Min. Holding VDC	Max. Continuous VDC	Coil Resistance Ohm $\pm 10\%$	ORDER NUMBER
9	6.3	3.2	10.8	58	AZSR126-1AE-9D
12	8.4	4.2	14.4	103	AZSR126-1AE-12D
18	12.6	6.3	21.6	230	AZSR126-1AE-18D
24	16.8	8.4	28.8	410	AZSR126-1AE-24D

MECHANICAL DATA

Top view dimensions: 2×0.8 , 2×1.5 , 2×0.7 , 2×0.7

Side view dimensions: 30.4, 23.3, 15.9, $4 \times 3.5 \pm 0.5$

Front view dimension: ϕ

PC BOARD LAYOUT

Dimensions: $2 \times \phi 1.8 \pm 0.1$, 27.6 ± 0.1 , 3.8 ± 0.1 , 1.75 ± 0.1 , 12.0 ± 0.1 , 22.0 ± 0.1 , 1.45 ± 0.1 , $2 \times \phi 1.1 \pm 0.1$

Viewed toward terminals

WIRING DIAGRAM

Viewed toward terminals

Tolerance: ± 0.3 mm

