

AZSR126

26 AMP MINIATURE POWER RELAY

FEATURES

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



CONTACTS

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

COIL

Power At Pickup Voltage (typical)	690mW
Max. Continuous Dissipation	2.0W at 20°C (68°F) ambient
Temperature Rise	90°C (194°F) at nominal coil voltage
Temperature	Max. 155°C (311°F)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 2 x 10 ⁵ 5 x 10 ⁴ at 26A 250 VAC Res.
Operate Time	20ms max. at nominal coil voltage
Release Time	10ms max. at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	4500Vrms coil to contact 2500Vrms 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)
Storage	-40°C (-40°F) to 105°C (221°F)
Vibration	1.5mm 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
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 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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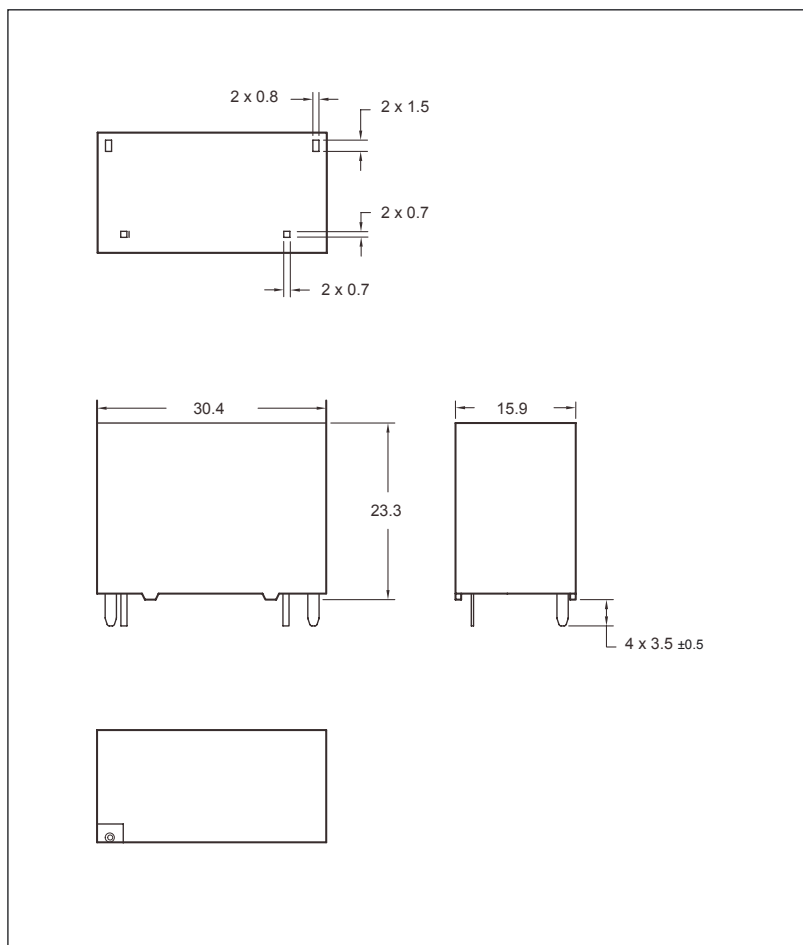
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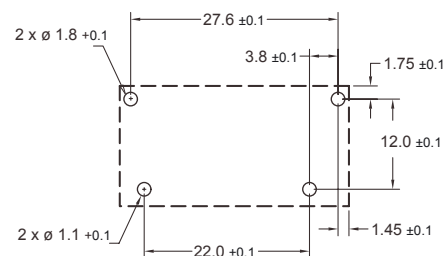
RELAY ORDERING DATA

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

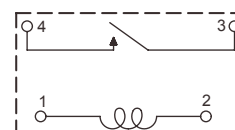


PC BOARD LAYOUT



Viewed toward terminals

WIRING DIAGRAM



Viewed toward terminals

Tolerance: ± 0.3 mm

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