

AZ769

25 AMP MINIATURE POWER RELAY

FEATURES

- Low cost
- 72 Amp inrush current
- Quick connect and PCB terminals
- Flux tight construction
- UL, CUR file E44211



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 600 W or 6925 VA Max. switched current: 25 A Max. switched voltage: 150 VDC* or 400 VAC * Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Rated Load UL, CUR	25 A at 277 VAC, resistive, 85°C, 100k cycles [1][2] 1 HP at 120 VAC, 85°C, 100k cycles [1][2] 2 HP at 240 VAC, 85°C, 100k cycles [2] 2 HP at 240 VAC, 85°C, 30k cycles [1]
Material	Silver cadmium oxide [1], silver tin oxide [2]
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power At Pickup Voltage (typical)	441 mW
Max. Continuous Dissipation	2.25 W at 20°C (68°F) ambient
Temperature Rise	45°C (81°F) at nominal coil voltage
Temperature	Max. 130°C (266°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 2 x 10 ⁶ 1 x 10 ⁵ at 25 A 250 VAC Res.
Operate Time (typical)	20 ms at nominal coil voltage
Release Time (typical)	10 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	4500 Vrms coil to contact 1500 Vrms between open contacts 10,000 V surge contact to coil
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating	At nominal coil voltage -40°C (-40°F) to 70°C (158°F)
Vibration	0.062" (1.5 mm) DA at 10–55 Hz
Shock Operating Non-Operating	20 g, 11 ms, 1/2 sine (no false operation) 100 g, 11 ms, 1/2 sine (no damage)
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy P.C. & quick connect Note: Allow suitable slack on leads when wiring and do not subject the terminals to excessive force.
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Weight	23 grams
Packing unit in pcs	50 per plastic tray / 500 per carton box

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This product specification to be used only together with the application notes
which can be downloaded from <http://www.ZETTLERelectronics.com/pdfs/relais/ApplicationNotes.pdf>

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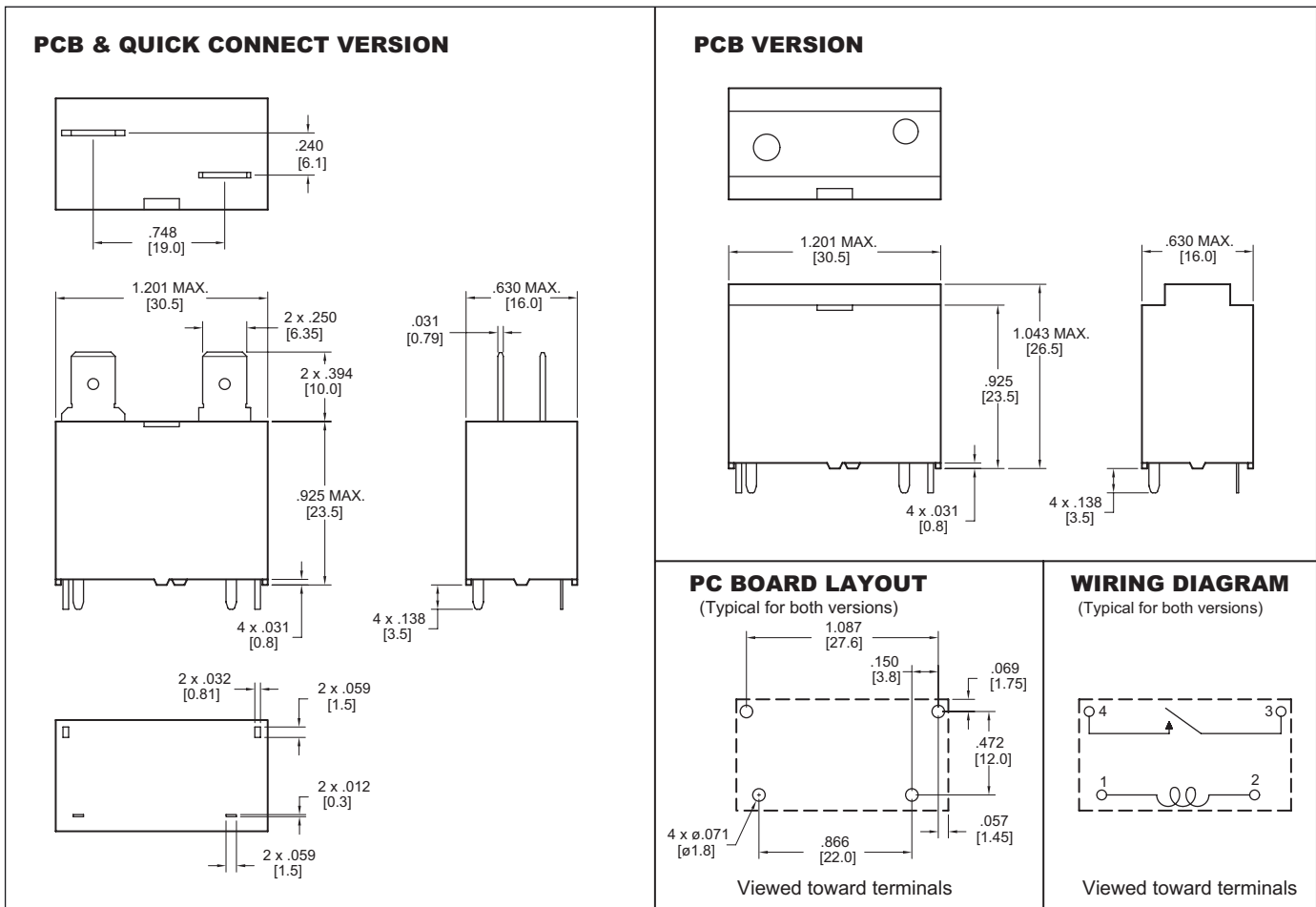
RELAY ORDERING DATA

COIL SPECIFICATIONS - QUICK CONNECT TERMINALS				ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm $\pm 10\%$	Form A (SPST)
5	3.5	7.9	27.8	AZ769-1A-5D
12	8.4	19.0	160	AZ769-1A-12D
24	16.8	37.9	640	AZ769-1A-24D

COIL SPECIFICATIONS - PCB TERMINALS				ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm $\pm 10\%$	Form A (SPST)
5	3.5	7.9	27.8	AZ769-1A-5DK
12	8.4	19.0	160	AZ769-1A-12DK
24	16.8	37.9	640	AZ769-1A-24DK

* "1A" denote silver cadmium oxide contacts.
Substitute "1AE" in place of "1A" for silver tin oxide contacts.

MECHANICAL DATA



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