AZ769.

25 AMP MINIATURE POWER RELAY

FEATURES

- Low cost
- 25 Amp switching
- 80 Amp inrush current
- Quick connect and PCB terminals
- Flux tight construction
- UL, CUR file E44211
- TÜV file R50069399

CONTACTS

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ZETTLER®	AZ769 -1A -5DK
AZ769-1A-5D	20A 250VAC
20A 250/AC , SN us	20H 120VAC
1HP 120/AC &	2HP 120VAC
2HP 240/AC &	2HP 240VAC
China 0304	China 0104

Minimum operations

1 x 105 at 25 A 250 VAC Res.

20 ms at nominal coil voltage

10 ms at nominal coil voltage (with no coil suppression)

1500 Vrms between open contacts 10,000 V surge contact to coil

1000 megohms min. at 20°C, 500 VDC,

Greater than 10% of nominal coil voltage

20 g, 11 ms, $1/_2$ sine (no false operation)

Note: Allow suitable slack on leads when wiring and do not subject the terminals to

50 per plastic tray / 500 per carton box

4500 Vrms coil to contact

At nominal coil voltage

P.B.T. polyester

270°C (518°F)

5 seconds

23 grams

Tinned copper alloy P.C. & quick connect

excessive force.

-40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)

0.062" (1.5 mm) DA at 10-55 Hz

100 g, 11 ms, $1/_2$ sine (no damage)

2 x 106

50% RH

GENERAL DATA

Mechanical

Electrical

Operate Time (typical)

Release Time (typical)

(at sea level for 1 min.)

Ambient Temperature

Operating

Operating

Non-Operating

Storage

Dielectric Strength

Insulation

Dropout

Vibration

Enclosure

Terminals

Weiaht

Max. Solder Temp.

Max. Solder Time

Packing unit in pcs

Shock

Resistance

Life Expectancy

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 100k cycles [1] [2] 1 HP at 120 VAC, 100k cycles [1] [2] 2 HP at 240 VAC, 100k cycles [2] 2 HP at 240 VAC, 30k cycles [1]	
ΤÜV	25 A at 250 VAC resistive [1]	
Material	Silver cadmium oxide [1] or 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.

ZETTLER electronics GmbH

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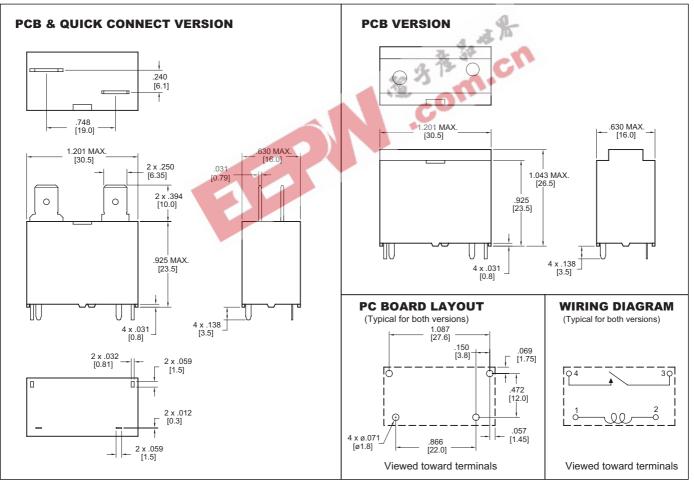
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RELAY ORDERING DATA

COIL SPECIFICATIONS - QUICK CONNECT TERMINALS				ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 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
				ORDER NUMBER*
	COIL SPECIFICATIONS - PCB TERMINALS			
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 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

Add suffix "E" to "1A" for silver tin oxide contacts.

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"

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