

# AZ7695

## 25 AMP MINIATURE POWER RELAY

### FEATURES

- Low cost
- 25 Amp switching
- 80 Amp inrush current
- Short Circuit Rating 5000 A rms, 250 VAC
- Quick connect and PCB terminals
- Flux tight construction
- Class F insulation system available
- UL, CUR file E44211
- TUV 50251020



### CONTACTS

<b>Arrangement</b>	SPST (1 Form A)
<b>Ratings</b>	Resistive load: Max. switched power: 6250 VA Max. switched current: 25 A Max. switched voltage: 250 VAC, 30 VDC
<b>Rated Load UL, CUR</b>	25A at 250 VAC/30 VDC Resistive, 100k ops, 85°C 25A at 250 VAC General use, 100k ops, 85°C 2 HP at 240 VAC Motor, 100k ops, 85°C 25 FLA / 85 LRA at 250 VAC, 100k ops, 85°C
<b>TUV</b>	16A/20A/25A 250VAC; cos phi=0, 95 100k ops, 85°C 16A/20A/25A 30VDC; 100k ops, 85°C 16A/20A/25A 250VAC; cos phi=0, 75 100k ops, 85°C NO: 70A/80A for 0,07s 250VAC; cos phi=0, 65 100k ops, 85°C NC: 25A for 4, 93s 250VAC; cos phi=0, 95 100k ops, 85°C
<b>Material</b>	silver tin oxide
<b>Resistance</b>	< 100 milliohms initially (6V, 1 A voltage drop method)

### COIL

<b>Power At Pickup Voltage (typical)</b>	441 mW
<b>Max. Continuous Dissipation</b>	1.5 W at 20°C (73.4°F) ambient
<b>Temperature Rise</b>	60°C (140°F) at nominal coil voltage
<b>Temperature</b>	Max. 105°C (221°F) Max. 155°C (311°F) Class F

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 1 x 10 <sup>7</sup> 1 x 10 <sup>5</sup> at 25 A 250 VAC Res.
<b>Operate Time (max)</b>	20 ms at nominal coil voltage
<b>Release Time (max)</b>	10 ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	5,000 VAC coil to contact 1,000 VAC between open contacts 10,000 V surge contact to coil
<b>Insulation Resistance</b>	1000 megohms min. at 500 VDC
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 105°C (266°F)
<b>Vibration</b>	0.059" DA at 10–55 Hz
<b>Shock Operating Non-Operating</b>	10 g 100 g
<b>Enclosure</b>	P.B.T. polyester
<b>Terminals</b>	Tinned copper alloy P.C. & quick connect Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.
<b>Max. Solder Temp.</b>	270°C (518°F)
<b>Max. Solder Time</b>	5 seconds
<b>Weight</b>	23 grams

### NOTES

1. All values at 23°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.

**AMERICAN ZETTLER, INC.**

3/17/2015

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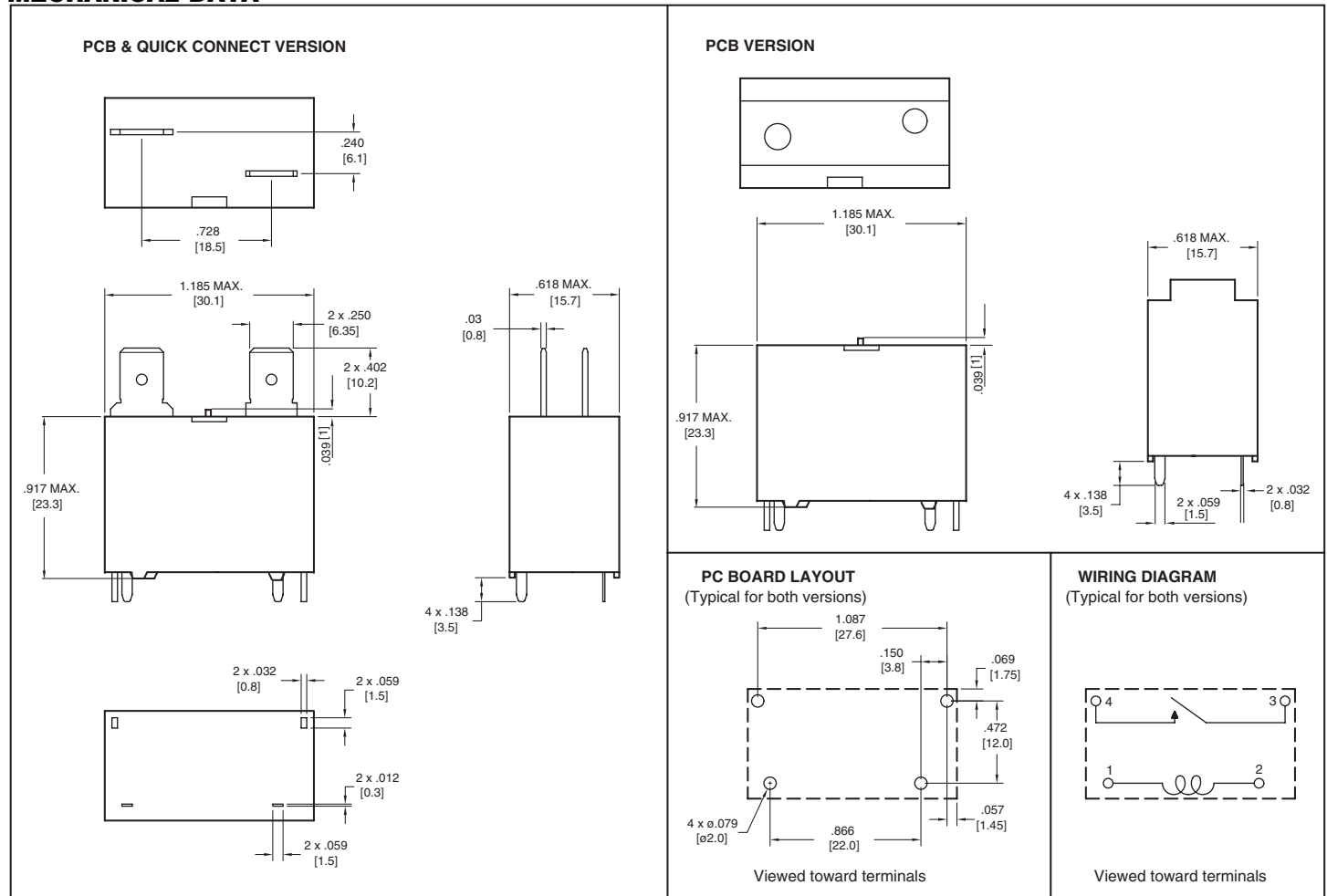
## RELAY ORDERING DATA

COIL SPECIFICATIONS - PCB TERMINALS WITH QUICK CONNECT TERMINALS				ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Form A (SPST)
5	3.5	6.5	28	AZ7695-1A-5D
6	4.2	7.8	40	AZ7695-1A-6D
9	6.3	11.7	90	AZ7695-1A-9D
12	8.4	15.6	160	AZ7695-1A-12D
18	12.6	23.4	360	AZ7695-1A-18D
24	16.8	31.2	640	AZ7695-1A-24D
48	33.6	62.4	2560	AZ7695-1A-48D

COIL SPECIFICATIONS - PCB TERMINALS				ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Form A (SPST)
5	3.5	6.5	28	AZ7695-1A-5DK
6	4.2	7.8	40	AZ7695-1A-6DK
9	6.3	11.7	90	AZ7695-1A-9DK
12	8.4	15.6	160	AZ7695-1A-12DK
18	12.6	23.4	360	AZ7695-1A-18DK
24	16.8	31.2	640	AZ7695-1A-24DK
48	33.6	62.4	2560	AZ7695-1A-48DK

\* For epoxy seal change "DK" to "DEK". For Class F insulation system add suffix "F" to part number.

## MECHANICAL DATA



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