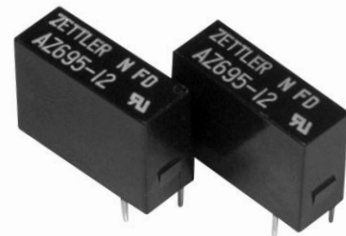


AZ695

SENSITIVE SUBMINIATURE RELAY

FEATURES

- Extremely small footprint utilizing only 0.18 square inch of PCB area
- Thin vertical profile only 0.256" wide
- 1 Form A contact with up to 5 Amp switching capability
- High sensitivity, 100 mW pickup
- Dielectric strength 3000 Vrms contact to coil
- Coils to 24 VDC
- Epoxy sealed for automatic wave soldering and cleaning
- Sockets are also available
- UL file E44211; CSA file 74461



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 150 W or 1250 VA Max. switched current: 5 A Max. switched voltage: 150* VDC or 250 VAC Inductive load (p.f. = 0.40, L/R = 7 ms) 2 A at 250 VAC, 30 VDC UL Rating: 5 A at 30 VDC or 250 VAC 1/10 HP 120 VAC Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Material	Options: Silver cadmium oxide Silver cadmium oxide with gold plating
Resistance	< 30 milliohms initially (at rated current, voltage drop method)

COIL

Power	
At Pickup Voltage (typical)	100 mW
Max. Continuous Dissipation	550 mW at 20°C (68°F) ambient 420 mW at 40°C (104°F) ambient
Temperature Rise	25°C (45°F) at nominal coil voltage
Temperature	Max. 105°C (221°F)

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Minimum permissible contact load:
SCO contact: 100 mA at 5 VDC
SCO contact with gold plating: 10 mA at 5 VDC
4. Specifications subject to change without notice.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 20 million operations 1 X 10 ⁵ at 5 A, 30 VDC or 250 VAC
Operate Time (typical)	6 ms at nominal coil voltage
Release Time (typical)	3 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	750 Vrms between open contacts 3000 Vrms contact to coil
Insulation Resistance	100 megohms min. at 20°C, 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)
Vibration	0.062" DA at 10–55 Hz
Shock	10 g
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 seconds
Weight	3 grams

ZETTLER electronics

Logistic Design (UK) Limited. Unit 3, Eagle Centre Way, Luton LU4 9US www.zettlerrelay.com sales@zettlerrelay.com
Telephone +44 (0) 1582 599 600 Fax +44 (0) 1582 599 700

AZ695

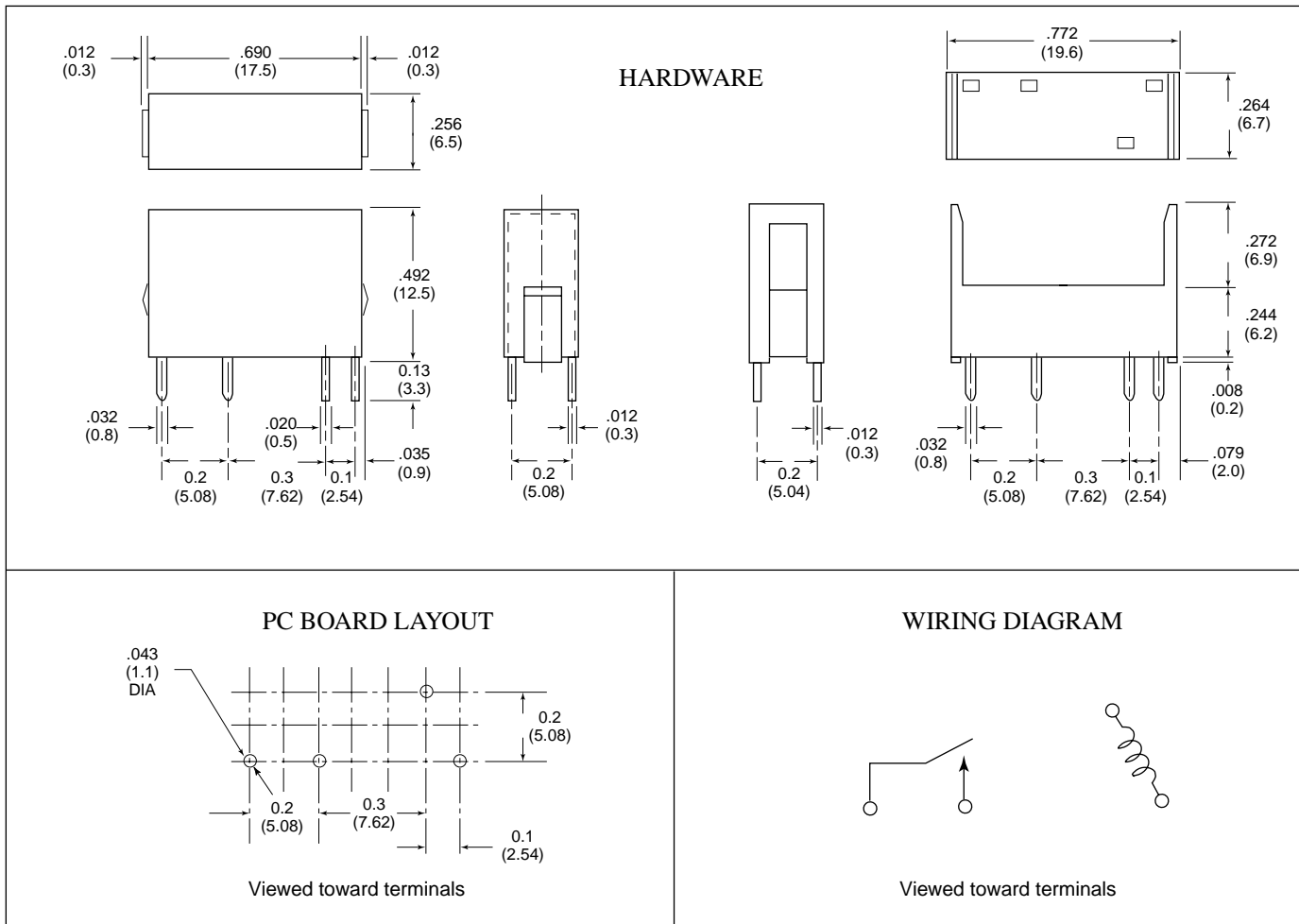
RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Must Operate VDC	SCO Contact	SCO with Gold Plating Contact
5	8.4	125	3.5	AZ695-5	AZ695-5G
6	10.1	180	4.2	AZ695-6	AZ695-6G
9	15.2	405	6.3	AZ695-9	AZ695-9G
12	20.2	720	8.4	AZ695-12	AZ695-12G
18	29.5	1,620	12.6	AZ695-18	AZ695-18G
24	40.5	2,880	16.8	AZ695-24	AZ695-24G

HARDWARE ORDERING DATA

DESCRIPTION	ORDER NUMBER
Socket	ST695

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010$ "

ZETTLER electronics

Logistic Design (UK) Limited. Unit 3, Eagle Centre Way, Luton LU4 9US www.zettlerrelay.com sales@zettlerrelay.com
Telephone +44 (0) 1582 599 600 Fax +44 (0) 1582 599 700

2000-08-31