AZ2150W

30 AMP MINIATURE POWER RELAY

FEATURES

- 1.75 mm contact gap
- DC coils up to 48V
- · High dielectric strength 4 kV contact to coil
- All plastics PTI 250
- Epoxy sealed versions available
- UL Class F (155°C) standard
- UL, CUR file E44211
- VDE certificate 40023154

RoHS compliant!



CONTACTS

Arrangement	SPST (1 Form A)				
Ratings	Resistive load:				
	Max. switched power: 900 W or 8310 VA Max. switched current: 30 A Max. switched voltage: 250 VDC* or 440 VAC *Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.				
Ratings UL, CUR	30 A at 277 VAC, General use				
VDE	20 A at 250 VAC, AC7a				
Material	Silver tin oxide				
Resistance	< 50 milliohm initially (24 V, 1A voltage drop method)				

COIL

Power			
At Pickup Voltage (typical)	625 mW		
Max. Continuous Dissipation	1.7 W at 20°C (68°F) ambient		
Temperature Rise	43°C (77°F) at nominal coil voltage		
Max. Temperature	155°C (311°F) Class 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.
- 4. If higher electrical loads are to be switched by the relay contacts, the vent nib has to be opened prior to use of the relay.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 2 x 10 ⁵ 3 x 10 ⁴ at 30 A 250 VAC Res.			
Operate Time	15 ms max. at nominal coil voltage			
Release Time	10 ms max. at nominal coil voltage (with no coil suppression)			
Dielectric Strength (at sea level for 1 min.)	3000 Vrms between open contacts 4000 Vrms contact to coil			
Insulation Resistance	1000 megaohms min. at 20°C, 500 VDC 50% RH			
Insulation (according to DIN VDE 0110, IEC 60664-1)	C250 Overvoltage category: III Pollution degree: 2 Nominal voltage: 250 VAC			
Holding Voltage	Greater than 50% of nominal coil voltage			
Dropout	Greater than 10% of nominal coil voltage			
Ambient Temperature Operating	-40°C (-40°F) to 85°C (185°F)			
Vibration	1.5 mm 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	25 grams			
Packing unit in pcs	40 per plastic tray / 280 per carton			

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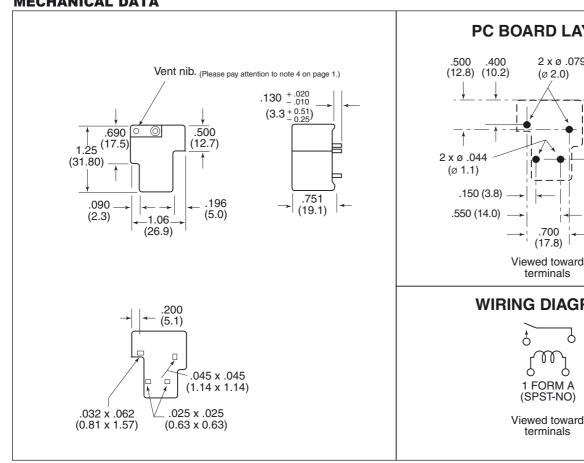
AZ2150W _

RELAY ORDERING DATA

COIL SPECIFICATIONS – DC Coil					
Nominal Coil VDC	Must Operate VDC	Min. Holding VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10%	ORDER NUMBER*
5	3.75	2.5	6.0	22.5	AZ2150W-1AE-5DFT
6	4.50	3.0	7.2	32.5	AZ2150W-1AE-6DFT
9	6.75	4.5	10.8	73	AZ2150W-1AE-9DFT
12	9.0	6.0	14.4	130	AZ2150W-1AE-12DFT
24	18.0	12.0	38.8	520	AZ2150W-1AE-24DFT
48	36.0	24.0	57.6	2,080	AZ2150W-1AE-48DFT

^{*} Substitute "DEFT" in place of "DFT" for epoxy sealed version. Coils 5VDC, 6VDC, 48VDC not VDE approved.

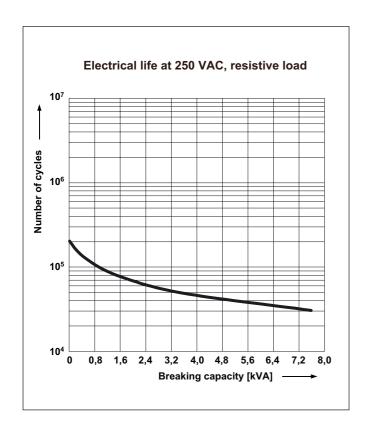
MECHANICAL DATA

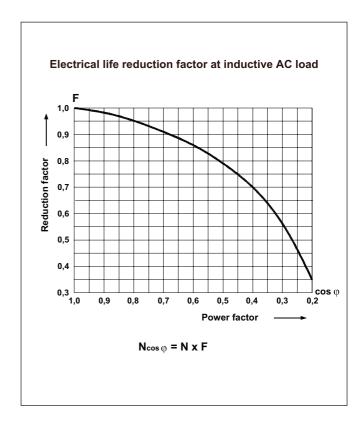


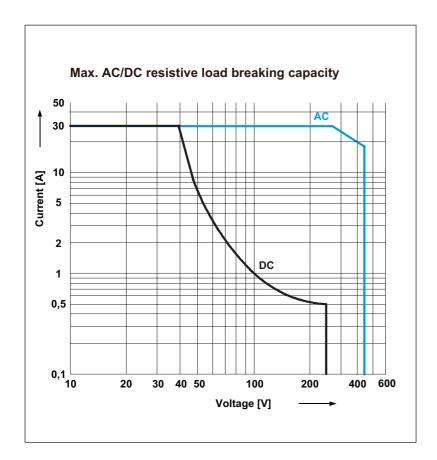
PC BOARD LAYOUT 2 x ø .079 (Ø 2.0)1.000 (25.4)(17.8)Viewed toward terminals WIRING DIAGRAM 1 FORM A

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

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