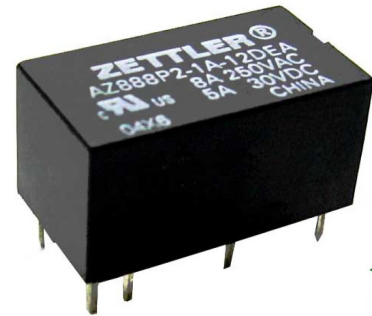


SUBMINIATURE POLARIZED POWER RELAY

FEATURES

- 8 A / 5 A switching capability
- 1 Form A, 2 Form A and combined 1 Form A / 1 Form B contact arrangements
- Monostable non-latching and bistable latching types available
- Single and dual coil latching versions
- Low coil power
- High Dielectric strength 3 kV_{RMS}
- Low height 10.5 mm
- Epoxy sealed versions optional, Gold plating optional
- UL Class F insulation (155°C) standard
- RoHS compliant
- UL, CUR file E44211



CONTACTS

Arrangement	SPST-N.O. (1 Form A) DPST-N.O. (2 Form A) SPST-N.O. (1 Form A) / SPST-N.C. (1 Form B)
Ratings (max.)	(resistive load)
1 Form A	
switched power	150 W or 2000 VA
switched current	8 A
switched voltage	240 VDC* or 380 VAC
2 Form A	
1 Form A/1 Form B	
switched power	150 W or 1250 VA
switched current	5 A
switched voltage	240 VDC* or 380 VAC
	* Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Contact materials	AgSnO ₂ - silver tin oxide gold plating available
Initial resistance	< 50 mΩ (1 A / 6 VDC, with gold plating: 0.1 A / 6 VDC)

COIL

Nominal coil DC voltages	see coil voltage specifications tables
Dropout	
non-latching types	> 10% of nominal coil voltage
Power at pickup voltage	(typ.)
non-latching, dual coil latching	192 mW
single coil latching	96 mW
Max. temperature	155°C (311°F), Class F

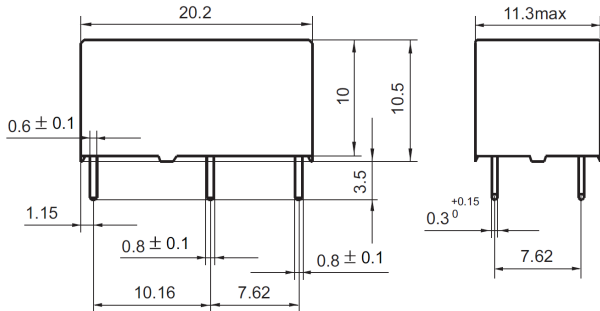
GENERAL DATA

Life Expectancy	(minimum operations) 1 x 10 ⁷ 1 x 10 ⁵ at 8 A 250 VAC resistive (1s on/9s off) 3 x 10 ⁴ at 5 A 250 VAC resistive (2s on/2s off)
Operate Time	at nominal coil voltage
non-latching types	10 ms (max.)
Release Time	at nominal coil voltage, w/o coil suppression
non-latching types	5 ms (max.)
Set Time	at nominal coil voltage
latching types	10 ms (max.)
Reset Time	at nominal coil voltage
latching types	10 ms (max.)
Dielectric Strength	(at sea level for 1 min.) 3 kV _{RMS} coil to contacts 2 kV _{RMS} between contact sets 1 kV _{RMS} between open contacts
Surge voltage	coil to contact
	5 kV (at 1.2 x 50 μs)
Insulation Resistance	1000 MΩ (min.) at 20°C, 500 VDC, 50% RH
Temperature Range	(at nominal coil voltage)
operating	-40°C (-40°F) to 85°C (185°F)
Vibration resistance	
operating	2.0 mm (0.079") DA at 10–55 Hz
damage	3.5 mm (0.138") DA at 10–55 Hz
Shock	
operating	20 g
damage	100 g
Terminals	Tinned copper alloy, P. C.
Soldering	
max. temperature	260°C (500°F)
max. time	5 seconds
Cleaning	
max. solvent temp.	80°C (176°F)
max. immersion time	30 seconds
Weight	4.5 grams

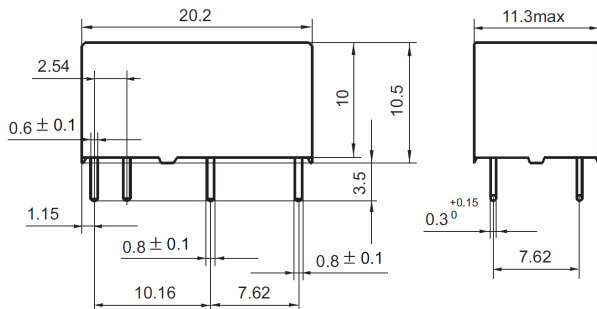
MECHANICAL DATA

Dimensions in mm.

Monostable non-latching and single coil bistable latching types



Bistable dual coil latching type

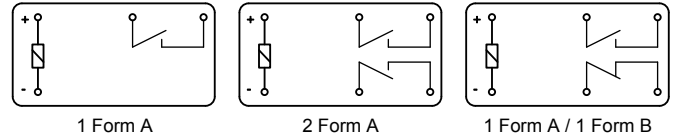


WIRING DIAGRAMS

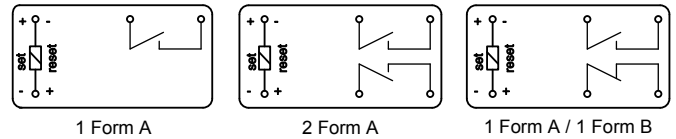
Viewed towards terminals, shown in deenergized / reset condition.

Note: The diagrams show the standard coil polarity. The polarity is reversed for types with reverse polarity option 'R'

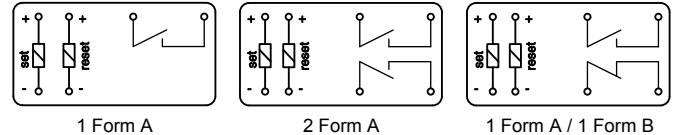
Monostable non-latching type



Bistable single coil latching type



Bistable dual coil latching type

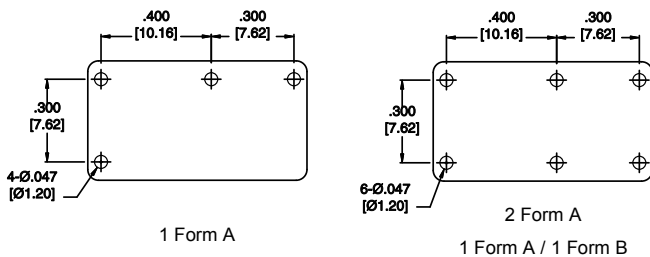


PC BOARD LAYOUT

Viewed towards terminals.

Dimensions in inches with metric equivalents in parentheses.

Monostable non-latching and single coil bistable latching types



Bistable dual coil latching type

