
FEATURES

- Bifurcated Crossbar Contacts
- Meets FCC part 68 Voltage Surge
- Small Size and Light Weight
- PC Board Mounting


UL / CUL Ratings

| | | |
|----------------------------|------------------------------------|------|
| Contact Form | 2 Form C, DPDT (Crossbar Contacts) | |
| Rated Load | Voltage | Amps |
| Resistive, 50K cycles, 40C | 24VDC | 1A |
| Resistive, 50K cycles, 40C | 125VAC | 1A |
| Resistive, 50K cycles, 40C | 30VDC | 2A |

CHARACTERISTICS

| | |
|--|--|
| Insulation Resistance | 1,000 MΩ min. at 500 VDC |
| Dielectric Strength | 500 VAC, 50 Hz, between contactS 1000 VAC, 50 Hz, between coil & contacts |
| Surge Withstand Voltage FCC part 68 | 1500 V, between open contacts 1500 V, between coil and contacts 1500 V, between contacts poles |
| Power Consumption | .20 W |
| Terminal Strength | 5N |
| Solderability | 260°C 5 s ± 0.5 s |
| Operating Temperature | -40°C to 85°C |
| Storage Temperature | -40°C to 155°C |
| Shock Resistance | 100 m/s ² 11 ms |
| Vibration Resistance | 10 Hz - 40 Hz double amplitude 1.5mm |
| Weight | 4.5g |

CONTACT DATA

| | |
|----------------------------|--|
| Maximum Switching Power | 24 W 125 VA |
| Maximum Switching Voltage | 48VDC, 250VAC |
| Maximum Switching Current | 3A |
| Material | AgNi+Au (Clad) |
| Initial Contact Resistance | 50 mΩ max. |
| Service Life | Mechanical 1 x 10 ⁷ operations Electrical 1 x 10 ⁵ operations |

ORDERING INFORMATION

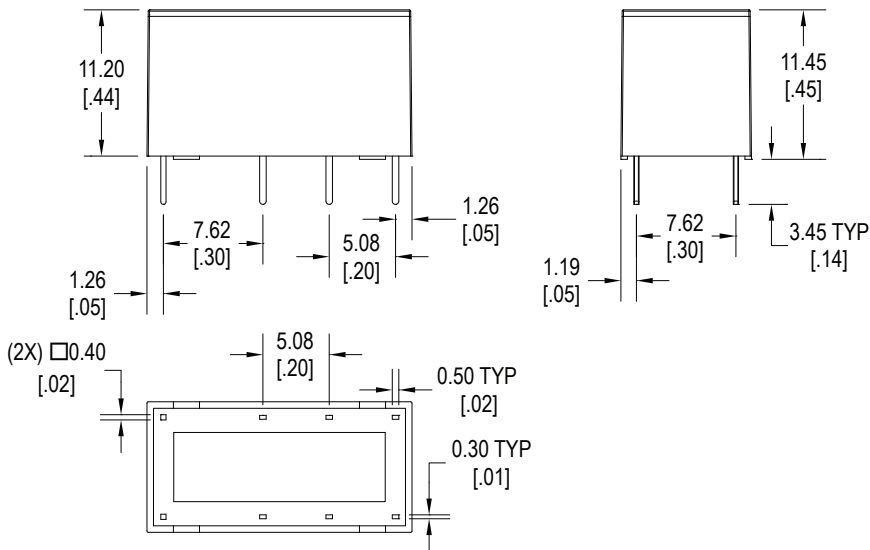
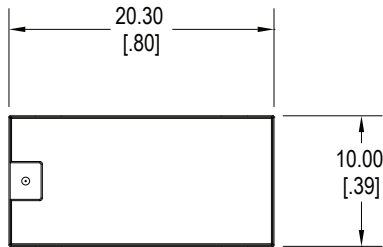
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|-------------------|----------------------|-----|---|----|
| Example | PC322 | -12 | H | -X |
| Model: | PC322 | | | |
| Coil Voltage: | 5 12 24 | | | |
| Contact Material: | Nil = AgNi + Au | | | |
| Coil Sensitivity: | H = .20W | | | |
| RoHS Compliant: | Nil = RoHS Compliant | | | |

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the applicaiton. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

COIL DATA

| Coil Voltage | | Resistance (Ohms ± 10%) | Pick Up Voltage Max. VDC | Release Voltage Min. VDC | Coil Power W | Operate Time ms | Release Time ms |
|--------------|---------|----------------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------|
| Rated | Maximum | | | | | | |
| 5 | 6.5 | 125 | 3.50 | .5 | .20 | 4.5 | 1.5 |
| 12 | 15.6 | 720 | 8.40 | 1.2 | | | |
| 24 | 31.2 | 2880 | 18.00 | 2.4 | | | |

DIMENSIONS mm (inches)



SCHEMATICS & PC LAYOUT Bottom Views

