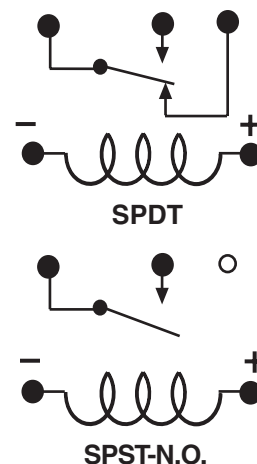


## SPST-N.O. & SPDT, 7 & 10 AMPS

### UL CONTACT LOAD RATINGS TABLE

| LOAD      | LOAD VOLTAGE/<br>CURRENT | SPST-NO              | SPDT                 |
|-----------|--------------------------|----------------------|----------------------|
| RESISTIVE | 240 VAC<br>30 VDC        | 10 AMP<br>10 AMP     | 7 AMP<br>7 AMP       |
| MOTOR     | 120 VAC                  | 1/6 HP               | 1/10 HP              |
| *POWER    | WATTS (VDC)              | 300 WATTS<br>2500 VA | 210 WATTS<br>1750 VA |

### WIRING DIAGRAM



## GENERAL SPECIFICATIONS (@ 25°C)

| COIL                             | UNITS                    |                             |
|----------------------------------|--------------------------|-----------------------------|
| Pull-in Voltage AC (50/60 Hz):   | % of nominal             | Not applicable              |
| Pull-in Voltage DC:              | % of nominal             | 70                          |
| Dropout Voltage AC (50/60 Hz):   | % of nominal             | Not applicable              |
| Dropout Voltage DC:              | % of nominal             | 10                          |
| Maximum Voltage:                 | % of nominal             | 110                         |
| Resistance:                      | % ±                      | 10                          |
| Coil Power AC (60 Hz):           | VA                       | Not applicable              |
| Coil Power DC:                   | W                        | 0.2                         |
| <b>CONTACTS</b>                  |                          |                             |
| Contact Material:                |                          | Silver alloy                |
| Contact Rating AC Amperes (AC1): | A                        | SPST NO: 10, SPDT: 7        |
| Contact Rating AC Voltage:       | V                        | 240                         |
| Contact Rating DC Amperes (DC1): | A                        | SPST NO: 10, SPDT: 7        |
| Contact Rating DC Voltage:       | V                        | 30                          |
| Contact Rating :                 | VA                       | SPST NO: 2500, SPDT: 1750   |
| Horse Power (AC):                | HP                       | SPST NO: 1/6 @ 120          |
| Pilot Duty (60 Hz):              |                          | SPDT: 1/10 @ 120            |
| <b>TIMING</b>                    |                          |                             |
| Operate Time:                    | ms                       | 10                          |
| Release Time:                    | ms                       | 10                          |
| <b>DIELECTRIC STRENGTH</b>       |                          |                             |
| Coil to Contacts:                | V rms                    | 2000                        |
| Across Open Contacts:            | V rms                    | 1000                        |
| Pole to Pole:                    | V rms                    | Not applicable              |
| Contacts to Frame:               | V rms                    | Not applicable              |
| Insulation Resistance:           | megohms<br>minimum @ VDC | 1000 @ 500                  |
| <b>VIBRATION RESISTANCE</b>      |                          |                             |
| Functional:                      | g's                      | 1.5 DA 10-55Hz              |
| <b>SHOCK RESISTANCE</b>          |                          |                             |
| Functional:                      | g's                      | 30                          |
| <b>TEMPERATURE</b>               |                          |                             |
| Operating, AC Lower:             | °C                       | Not applicable              |
| Operating, AC Upper:             | °C                       | Not applicable              |
| Operating, DC Lower:             | °C                       | -40                         |
| Operating, DC Upper:             | °C                       | +70                         |
| Storage, Lower:                  | °C                       | -40                         |
| Storage, Upper:                  | °C                       | +100                        |
| <b>LIFE EXPECTANCY</b>           |                          |                             |
| Electrical @ Rated Load (AC1):   | operations               | 100,000                     |
| Mechanical @ no Load :           | operations               | 10,000,000                  |
| <b>MISCELLANEOUS</b>             |                          |                             |
| Operating Position:              |                          | Any                         |
| Insulation Material:             |                          | Glass                       |
| Enclosure Material:              |                          | UL 94v-0 plastic epoxy seal |
| Cover Protection Category:       | IP                       | 67                          |
| Weight:                          | grams                    | 5.5                         |

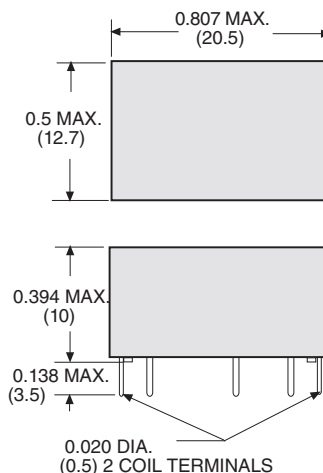
\* Voltage and Power Ratings in the table Above are Independent Maximums and no Single Value is to be Exceeded.



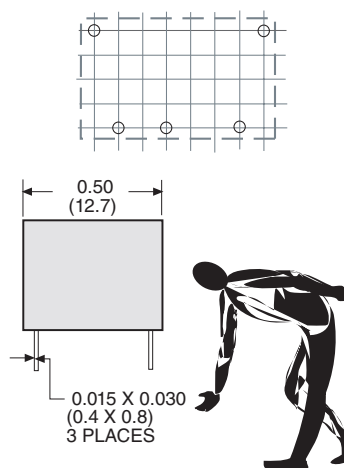
**DTL COMPATIBLE SINGLE-SIDE STABLE DESIGN.**  
**5KV SURGE RESISTANCE COIL TO CONTACT MEETS**  
**INTERNATIONAL SPACING OF 4 mm.**

### OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



### PRINTED CIRCUIT MOUNTING HOLE LAYOUT (TOP VIEW SHOWN AT ACTUAL SIZE ON 0.1 GRID)



| STANDARD<br>PART<br>NUMBERS | CONTACT<br>CONFIGU-<br>RATION | COIL MEASURED @ 25 °C       |                                 |
|-----------------------------|-------------------------------|-----------------------------|---------------------------------|
|                             |                               | NOMINAL<br>INPUT<br>VOLTAGE | NOMINAL<br>RESISTANCE<br>(OHMS) |
| 10 AMP                      |                               |                             |                                 |
| 276AXXH-5D                  | SPST-NO                       | 5 VDC                       | 125 Ω                           |
| 276AXXH-6D                  | SPST-NO                       | 6 VDC                       | 180 Ω                           |
| 276AXXH-12D                 | SPST-NO                       | 12 VDC                      | 720 Ω                           |
| 276AXXH-24D                 | SPST-NO                       | 24 VDC                      | 2880 Ω                          |
| 7 AMP                       |                               |                             |                                 |
| 276XAXH-5D                  | SPDT                          | 5 VDC                       | 125 Ω                           |
| 276XAXH-6D                  | SPDT                          | 6 VDC                       | 180 Ω                           |
| 276XAXH-12D                 | SPDT                          | 12 VDC                      | 720 Ω                           |
| 276XAXH-24D                 | SPDT                          | 24 VDC                      | 2880 Ω                          |