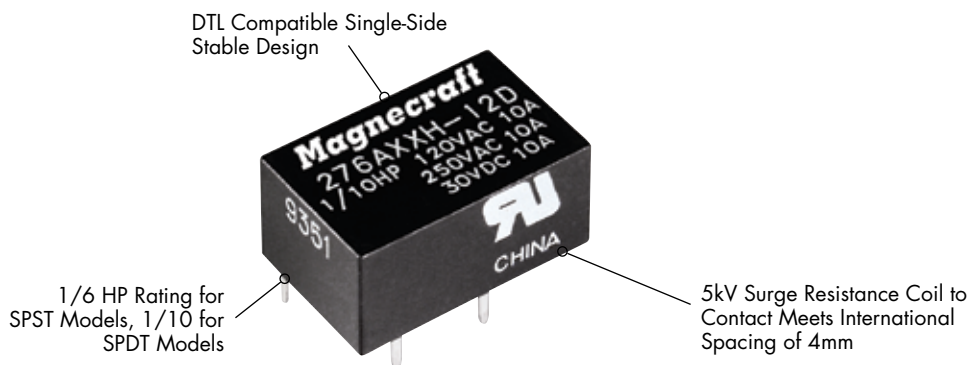


## 276 Low Profile PCB Mount Power Relay/SPST and SPDT 7 - 10 Amp Rated

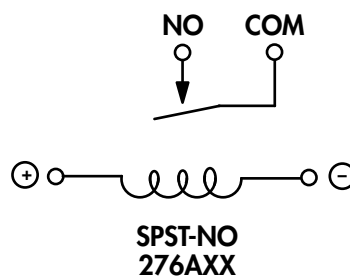
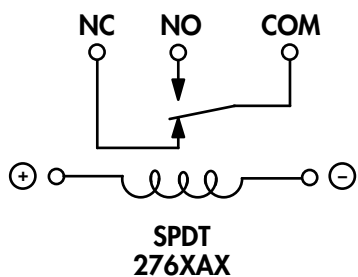


### General Specifications

(UL 508)

|                                           |                                        | Units |  | 276XAX        | 276AXX       |
|-------------------------------------------|----------------------------------------|-------|--|---------------|--------------|
| Contact Characteristics                   |                                        |       |  | 7 Amp         | 10 Amp       |
| Number and type of Contacts               |                                        |       |  | SPDT          | SPST-NO      |
| Contact materials                         |                                        |       |  | Silver Alloy  | Silver Alloy |
| Current rating                            |                                        | A     |  | 7             | 10           |
| Switching voltage                         |                                        | V     |  | 240 50/60 Hz  | 240 50/60 Hz |
|                                           |                                        | V     |  | 30            | 30           |
| Minimum Switching Requirement             | Minimum                                | HP    |  | 1/10 @ 120VAC | 1/6 @ 120VAC |
|                                           |                                        | mA    |  | 100           | 100          |
| Coil Characteristics                      |                                        |       |  |               |              |
| Voltage Range                             |                                        | V     |  | 3...24        | 3...24       |
| Operating Range                           |                                        |       |  | 80% to 110%   | 80% to 110%  |
| Average consumption                       | % of Nominal                           | W     |  | 0.2           | 0.2          |
| Drop-out voltage threshold                |                                        |       |  | 10%           | 10%          |
| Performance Characteristics               |                                        |       |  |               |              |
| Electrical Life                           | Operations @ Rated Current (Resistive) |       |  | 100,000       | 100,000      |
| Mechanical Life                           | Unpowered                              |       |  | 5,000,000     | 5,000,000    |
| Operating time (response time)            |                                        | ms    |  | 10            | 10           |
| Dielectric                                | Between coil and contact               | V     |  | 2000          | 2000         |
|                                           | Between contacts                       | V     |  | 1000          | 1000         |
| Environment                               |                                        |       |  |               |              |
| Product certifications                    | Standard version                       |       |  | UL            | UL           |
| Ambient air temperature around the device | Storage                                | °C    |  | -40...+85     | -40...+85    |
|                                           | Operation                              | °C    |  | -40...+55     | -40...+55    |
| Vibration resistance                      | Operational                            | g-n   |  | 3, 10-55 Hz   | 3, 10-55 Hz  |
| Shock resistance                          |                                        | g-n   |  | 20            | 20           |
| Weight                                    |                                        | grams |  | 5.5           | 5.5          |

### WIRING DIAGRAMS TOP VIEW





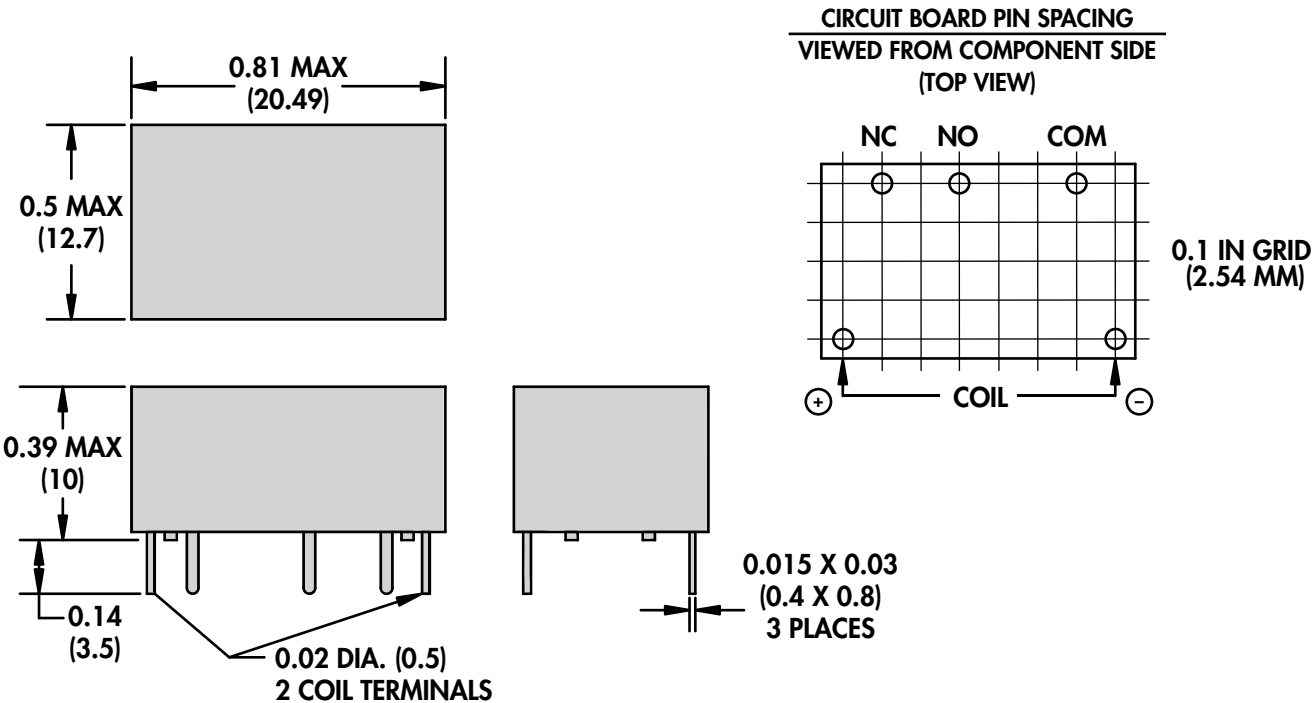
Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

| Nominal Input Voltage | Nominal Coil Resistance ( $\Omega$ ) | Part Number        | Contact Configuration |
|-----------------------|--------------------------------------|--------------------|-----------------------|
| 5 VDC                 | 125 $\Omega$                         | <b>276AXXH-5D</b>  | SPST-NO               |
| 6 VDC                 | 180 $\Omega$                         | 276AXXH-6D         | SPST-NO               |
| 12 VDC                | 720 $\Omega$                         | <b>276AXXH-12D</b> | SPST-NO               |
| 24 VDC                | 2880 $\Omega$                        | 276AXXH-24D        | SPST-NO               |
| 5 VDC                 | 125 $\Omega$                         | <b>276XAXH-5D</b>  | SPDT                  |
| 6 VDC                 | 180 $\Omega$                         | <b>276XAXH-6D</b>  | SPDT                  |
| 12 VDC                | 720 $\Omega$                         | <b>276XAXH-12D</b> | SPDT                  |
| 24 VDC                | 2880 $\Omega$                        | <b>276XAXH-24D</b> | SPDT                  |

Part Number Builder

| 276<br>Series | XAX<br>Contact Configuration  | H<br>Type of Seal | -12<br>Coil Voltage                              | D<br>Current Type |
|---------------|-------------------------------|-------------------|--------------------------------------------------|-------------------|
| 276           | AXX = SPST - NO<br>XAX = SPDT | H = Epoxy Sealed  | 5 = 5VDC<br>6 = 6VDC<br>12 = 12VDC<br>24 = 24VDC | D = DC Coil       |



DRAWING AND PIN SPACING ENLARGED TO 200% OF ACTUAL SIZE