

Distributor: [Electro-Stock www.electrostock.com](http://www.electrostock.com) Tel: 630-682-1542 Fax: 630-682-1562

**FEATURES:**

- Switching capacity up to 10A
- Small size and light weight
- Low coil power consumption
- High contact load
- Strong resistance to shock and vibration



**UL** **us** **E197851**

27.0 x 21.0 x 35.0 mm

**CONTACT DATA**

|                           |  |
|---------------------------|--|
| Contact Arrangement       | 1A, 1B, 1C = SPST N.O., SPST N.C., SPDT<br>2A, 2B, 2C = DPST N.O., DPST N.C., DPDT<br>3A, 3B, 3C = 3PST N.O., 3PST N.C., 3PDT<br>4A, 4B, 4C = 4PST N.O., 4PST N.C., 4PDT |
| Contact Rating            | 1, 2, & 3 Pole: 10A @ 220VAC & 28VDC<br>4 Pole: 5A @ 220VAC & 28VDC  |
| Contact Resistance        | < 50 milliohms initial   |
| Contact Material          | AgCdO  |
| Maximum Switching Power   | 1C: 280W, 2200VA<br>2C: 280W, 2200VA<br>3C: 280W, 2200VA<br>4C: 140W, 1100VA   |
| Maximum Switching Voltage | 300VAC   |
| Maximum Switching Current | 10A  |

**DC COIL DATA**

| Coil Voltage VDC |       | Coil Resistance $\Omega \pm 10\%$ | Pick Up Voltage VDC (max) | Release Voltage VDC (min) | Coil Power W | Operate Time ms | Release Time ms |
|------------------|-------|-----------------------------------|---------------------------|---------------------------|--------------|-----------------|-----------------|
| Rated            | Max.  |                                   | 75% of rated voltage      | 10% of rated voltage      |              |                 |                 |
| 6                | 6.6   | 40                                | 4.5                       | 0.6                       | .9           | 25              | 25              |
| 12               | 13.2  |                                   | 9.0                       | 1.2                       |              |                 |                 |
| 24               | 26.4  |                                   | 18.0                      | 2.4                       |              |                 |                 |
| 36               | 39.6  |                                   | 27.0                      | 3.6                       |              |                 |                 |
| 48               | 52.8  |                                   | 36.0                      | 4.8                       |              |                 |                 |
| 110              | 121.0 |                                   | 82.5                      | 11.0                      |              |                 |                 |

**AC COIL DATA**

| Coil Voltage VAC |       | Coil Resistance $\Omega \pm 10\%$ | Pick Up Voltage VAC (max) | Release Voltage VAC (min) | Coil Power VA | Operate Time ms | Release Time ms |
|------------------|-------|-----------------------------------|---------------------------|---------------------------|---------------|-----------------|-----------------|
| Rated            | Max.  |                                   | 80% of rated voltage      | 30% of rated voltage      |               |                 |                 |
| 6                | 6.6   | 11.5                              | 4.8                       | 1.8                       | 1.2           | 25              | 25              |
| 12               | 13.2  |                                   | 9.6                       | 3.6                       |               |                 |                 |
| 24               | 26.4  |                                   | 19.2                      | 7.2                       |               |                 |                 |
| 36               | 39.6  |                                   | 28.8                      | 10.8                      |               |                 |                 |
| 48               | 52.8  |                                   | 38.4                      | 14.4                      |               |                 |                 |
| 110              | 121.0 |                                   | 88.0                      | 33.0                      |               |                 |                 |
| 120              | 132.0 |                                   | 96.0                      | 36.0                      |               |                 |                 |
| 220              | 252.0 |                                   | 176.0                     | 66.0                      |               |                 |                 |

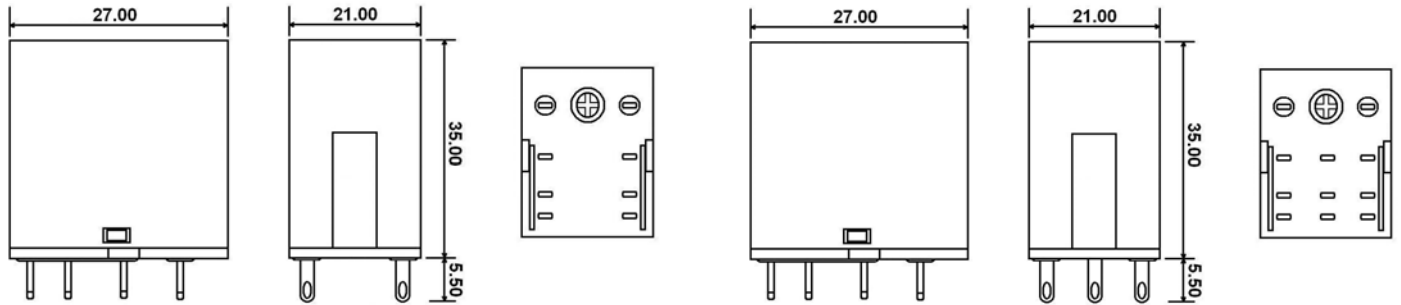
## GENERAL DATA

|                                      |   |
|--------------------------------------|---|
| Electrical Life @ rated load         | 500K cycles (1 & 2 pole), 200K cycles (3 pole), 100K cycles (4 pole), typical |
| Mechanical Life                      | 20M cycles (1 & 2 pole), 10M cycles (3 & 4 pole), typical                     |
| Insulation Resistance                | 100M $\Omega$ min @ 500VDC  |
| Dielectric Strength, Coil to Contact | 1500V rms min. @ sea level  |
| Contact to Contact                   | 1500V rms min. @ sea level  |
| Shock Resistance                     | 100m/s <sup>2</sup> for 11ms  |
| Vibration Resistance                 | 1.27mm double amplitude 10-40Hz   |
| Terminal (Copper Alloy) Strength     | 10N   |
| Operating Temperature                | -40 °C to + 85 °C   |
| Storage Temperature                  | -40 °C to + 155 °C  |
| Solderability                        | 230 °C $\pm$ 2 °C for 10 $\pm$ 0.5s   |
| Weight                               | 32g   |

## ORDERING INFORMATION

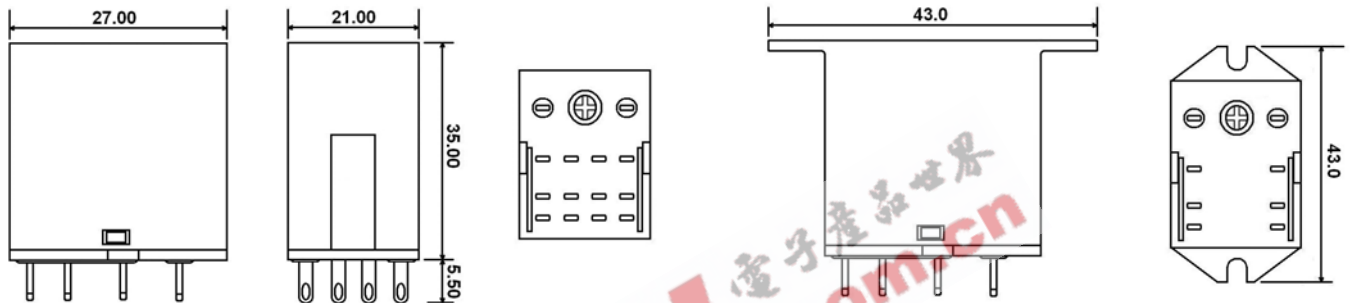
|   |  |    |   |       |
|---|--|----|---|-------|
| <b>1. Series:</b>                       | WJ152  | 3C | T | 12VDC |
| <b>2. Contact Arrangement:</b>          | <ul style="list-style-type: none"> <li>1A, 1B, 1C</li> <li>2A, 2B, 2C</li> <li>3A, 3B, 3C</li> <li>4A, 4B, 4C</li> </ul>   |    |   |       |
| <b>3. Termination:</b>                  | <ul style="list-style-type: none"> <li>T = Solder lugs / Plug-in</li> <li>F = Solder Lugs / Plug-in with Flange</li> <li>P = PC Pins</li> </ul>  |    |   |       |
| <b>4. Coil Voltage:</b>                 | <ul style="list-style-type: none"> <li>6VDC</li> <li>12VDC</li> <li>24VDC</li> <li>36VDC</li> <li>48VDC</li> <li>110VDC</li> <li>6VAC</li> <li>12VAC</li> <li>24VAC</li> <li>36VAC</li> <li>48VAC</li> <li>110VAC</li> <li>120VAC</li> <li>220VAC</li> </ul> |    |   |       |
| <b>5. Optional LED:</b>                 | <ul style="list-style-type: none"> <li>Blank = No Indicator LED</li> <li>D = With Indicator LED</li> </ul>   |    |   |       |
| <b>6. Sealing Option:</b>               | <ul style="list-style-type: none"> <li>Blank = Dust Cover (Standard)</li> <li>S = Sealed</li> </ul>  |    |   |       |
| <b>7. Gold Option:</b>                  | <ul style="list-style-type: none"> <li>Blank = Standard contacts</li> <li>R = Gold flash over standard contacts</li> </ul>   |    |   |       |
| <b>8. Optional Push to Test Button:</b> | <ul style="list-style-type: none"> <li>Blank = No Push to Test Button</li> <li>T = With Push to Test Button</li> </ul>   |    |   |       |

**DIMENSIONS (Units = mm)**



**1 & 2 POLE**

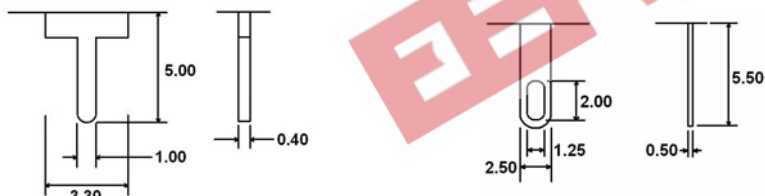
**3 POLE**



**4 POLE**

**FLANGE MOUNT**

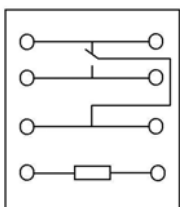
**TERMINATION OPTIONS**



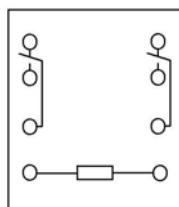
**PC PINS**

**SOLDER TABS**

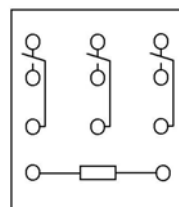
**SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)**



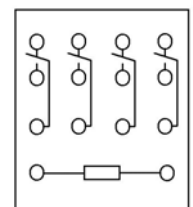
**1C**



**2C**



**3C**



**4C**

