

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 2A, 2B, 2C = DPST N.O., DPST N.C., DPDT 3A, 3B, 3C = 3PST N.O., 3PST N.C., 3PDT 4A, 4B, 4C = 4PST N.O., 4PST N.C., 4PDT |
| Contact Rating | 1, 2, & 3 Pole: 10A @ 220VAC & 28VDC 4 Pole: 5A @ 220VAC & 28VDC |
| Contact Resistance | < 50 milliohms initial |
| Contact Material | AgCdO |
| Maximum Switching Power | 1C: 280W, 2200VA 2C: 280W, 2200VA 3C: 280W, 2200VA 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 | | | |

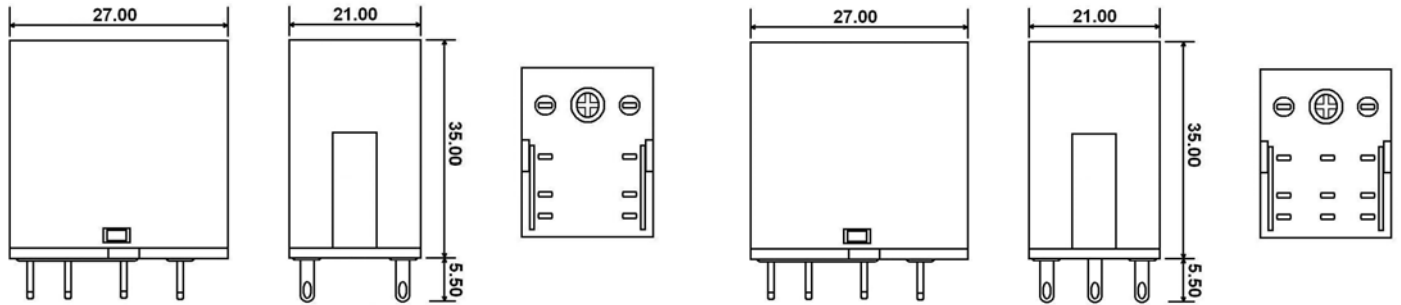
GENERAL DATA

| | |
|--------------------------------------|---|
| 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 Ω min @ 500VDC |
| Dielectric Strength, Coil to Contact | 1500V rms min. @ sea level |
| Contact to Contact | 1500V rms min. @ sea level |
| Shock Resistance | 100m/s ² 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

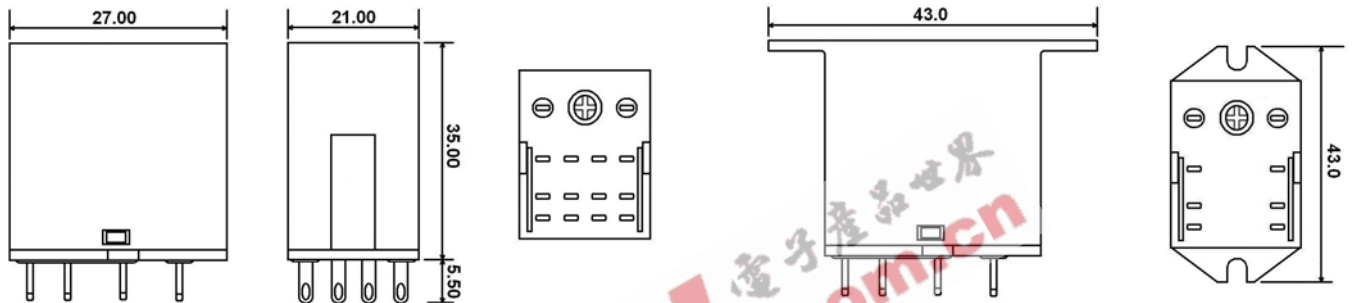
| | | | | |
|---|--|----|---|-------|
| 1. Series: | WJ152 | 3C | T | 12VDC |
| 2. Contact Arrangement: | <ul style="list-style-type: none"> 1A, 1B, 1C 2A, 2B, 2C 3A, 3B, 3C 4A, 4B, 4C | | | |
| 3. Termination: | <ul style="list-style-type: none"> T = Solder lugs / Plug-in F = Solder Lugs / Plug-in with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

DIMENSIONS (Units = mm)



1 & 2 POLE

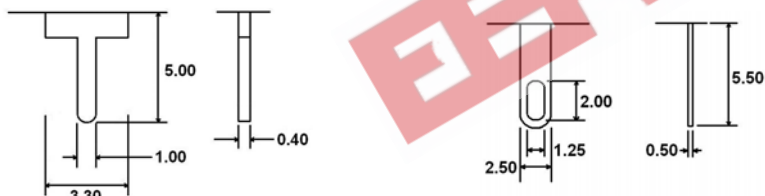
3 POLE



4 POLE

FLANGE MOUNT

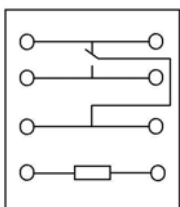
TERMINATION OPTIONS



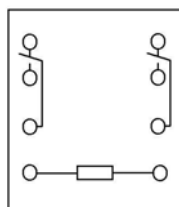
PC PINS

SOLDER TABS

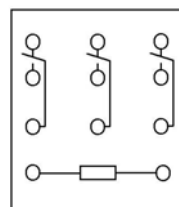
SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)



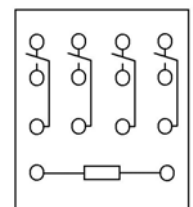
1C



2C



3C



4C

