

# JIN ZON ENTERPRISE CO., LTD.

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## HV red relays R-561,R-562 form A contact (normally open) for PCBs

This product is in accordance with RoHS

| PARAMETERS | Unit | TYPE  |       |
|------------|------|-------|-------|
|            |      | R-561 | R-562 |

### 1. CONTACT PARAMETERS

|                                   |     |                  |                     |                     |
|-----------------------------------|-----|------------------|---------------------|---------------------|
| Switching power                   | max | W, VA            | 50                  |                     |
| Breakdown voltage                 | min | kV <sub>DC</sub> | 7                   | 10                  |
| Switching voltage (DC or AC PEAK) | max | kV               | 5                   | 7,5                 |
| Switching current                 | max | A                | 2                   |                     |
| Initial contact resistance        | max | mΩ               | 150                 |                     |
| Life expectancy                   |     |                  | operations          |                     |
| Load 1 5 kV <sub>DC</sub> , 1 mA  |     |                  | 0,5x10 <sup>6</sup> |                     |
| Load 2 7,5 kV <sub>DC</sub> , 1   |     |                  |                     | 0,5x10 <sup>6</sup> |

### 2. COIL PARAMETERS

|                  |      |                 |     |     |     |     |     |     |     |     |
|------------------|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Nominal voltage  |      | V <sub>DC</sub> | 5   | 6   | 12  | 24  | 5   | 6   | 12  | 24  |
| Pull-in voltage  | max  | V <sub>DC</sub> | 4   | 4,5 | 9   | 18  | 4   | 4,5 | 9   | 18  |
| Drop-out voltage | min  | V <sub>DC</sub> | 0,5 | 0,6 | 1   | 2   | 0,5 | 0,6 | 1   | 2   |
| Coil resistance  | ±10% | Ω               | 45  | 45  | 180 | 650 | 45  | 45  | 180 | 650 |

### 3. RELAY PARAMETERS

|   |     |                  |                            |  |                            |  |
|---|-----|------------------|----------------------------|--|----------------------------|--|
| Insulation resistance (at 1000V <sub>DC</sub> ) | min | Ω                | 10 <sup>10</sup> (at 70°C) |  | 10 <sup>12</sup> (at 20°C) |  |
| Operate time including bounces                  | max | ms               | 3,6                        |  |                            |  |
| Release time                                    | max | ms               | 0,5                        |  |                            |  |
| Breakdown voltage coil-contact                  | min | kV <sub>DC</sub> | 15                         |  |                            |  |
| Environment category acc. to IEC 68-2-1÷3       |     |                  | 40/85/21                   |  |                            |  |

### 4. DIMENSIONS AND TERMINAL ARRANGEMENTS

