



### Main

|                               |   |
|-------------------------------|---|
| Range of product              | Zelio Time  |
| Product or component type     | Miniature timing relay  |
| Fixing mode                   | Plug-in socket  |
| Discrete output type          | Relay   |
| Contacts type and composition | 4 C/O   |
| Component name                | REXL  |
| Time delay type               | A   |
| Time delay range              | 0.1...1 h<br>1...10 min<br>10...100 h<br>0.1...1 s<br>0.1...1 min<br>1...10 h<br>1...10 s |

### Complementary

|                                |  |
|--------------------------------|--|
| Contacts material              | Cadmium free   |
| [Us] rated supply voltage      | 24 V AC at 50/60 Hz  |
| Voltage range                  | 0.85...1.15 Us   |
| [In] rated current             | 5 A AC   |
| Repeat accuracy                | +/- 0.5 %  |
| Setting accuracy of time delay | 10 % at full scale at 25 °C conforming to EN/IEC 61812-1                                   |
| Temperature drift              | 0.05 %/°C  |
| Reset time                     | 250 ms after time delay, on de-energisation<br>50 ms during time delay, on de-energisation |
| Voltage drift                  | +/- 0.2 %/V  |
| Maximum switching capacity     | 4 x 5 A  |
| Temporary permissible current  | 10 A for < 10 s  |
| Minimum switching current      | 100 mA   |

|                               |   |
|-------------------------------|---|
| Electrical durability         | 100000 cycles at 250 V AC resistive                                 |
| Mechanical durability         | 10000000 cycles   |
| Power consumption in VA       | 1.7 VA  |
| [Ui] rated insulation voltage | 250 V conforming to IEC 255 Group C<br>250 V conforming to VDE 0010 |
| Output overvoltage protection | 2 J   |
| Surge withstand               | 2 kV conforming to EN/IEC 61000-4-5 level 3                         |
| Creepage distance             | 4 kV/3 conforming to IEC 60664-1                                    |
| Local signalling              | 1 LED red output in operation<br>1 LED yellow power ON              |
| Product weight                | 0.05 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Immunity to microbreaks               | <= 5 ms  |
| Dielectric strength                   | 2 kV 1 mA/1 minute 50 Hz conforming to EN/IEC 60601-1<br>2 kV 1 mA/1 minute 50 Hz conforming to EN/IEC 61812-1                                 |
| Standards                             | EN/IEC 61812-1<br>93/68/EEC<br>73/23/EEC<br>EN/IEC 60601-2<br>89/336/EEC<br>EN 61000-6-2<br>EN/IEC 60601-1<br>EN 50081-2                       |
| Product certifications                | UL<br>CUL  |
| Ambient air temperature for operation | -20...60 °C  |
| Ambient air temperature for storage   | -40...70 °C  |
| IP degree of protection               | IP50 conforming to IEC 60529   |
| Vibration resistance                  | 0.35 mm (f = 10...55 Hz) conforming to IEC 60068-2-6   |
| Relative humidity                     | 95 % without condensation conforming to IEC 60068-2-6  |
| Resistance to electrostatic discharge | 6 kV (in contact) conforming to EN/IEC 61000-4-2 level 3<br>8 kV (in air) conforming to EN/IEC 61000-4-2 level 3                               |
| Resistance to electromagnetic fields  | 10 V/m conforming to EN/IEC 61000-4-3 level 3  |
| Resistance to fast transients         | 2 kV conforming to EN/IEC 61000-4-4 level 3  |
| Immunity to radioelectric fields      | 10 V (0.15...80 MHz) conforming to EN/IEC 61000-4-6 level 3  |
| Immunity to voltage dips              | >= 95 % / 1 s conforming to EN/IEC 61000-4-11<br>30 % / 10 ms conforming to EN/IEC 61000-4-11<br>60 % / 100 ms conforming to EN/IEC 61000-4-11 |
| Disturbance radiated/conducted        | Class B conforming to EN 55022 (EN 55011 group 1)  |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

---

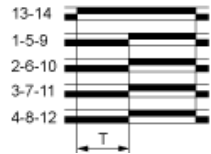
Function A : Power on Delay Relay

---

Description

The timing period T begins on energisation. After timing, the outputs close.

4 Timed C/O Contacts



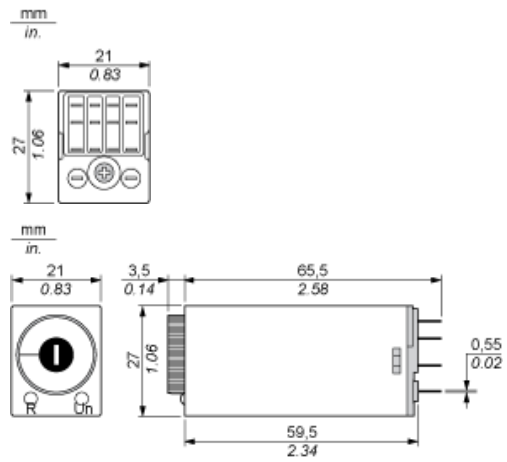
---

Legend

---

- Relay de-energised
- Relay energised
- Output open
- Output closed
- R Relay output
- T Timing period

Width 21 mm



---

Terminal Referencing

---

