



## 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 | 2 C/O                                                                                     |
| Component name                | REXL                                                                                      |
| Time delay type               | A                                                                                         |
| Time delay range              | 0.1...1 h<br>0.1...1 min<br>0.1...1 s<br>1...10 h<br>1...10 min<br>1...10 s<br>10...100 h |

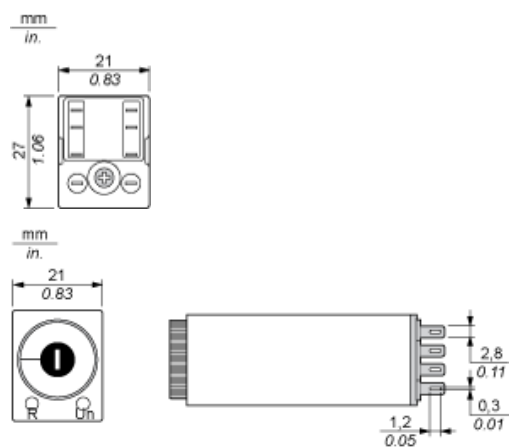
## Complementary

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| Contacts material                     | Cadmium free                                                                               |
| [Us] rated supply voltage             | 24 V DC                                                                                    |
| Voltage range                         | 0.9...1.1 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                                                                                  |
| Maximum reset time                    | 50 ms during time delay, on de-energisation<br>250 ms after time delay, on de-energisation |
| Voltage drift                         | +/- 0.2 %/V                                                                                |
| Maximum switching capacity            | 4 x 5 A                                                                                    |
| Maximum 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                                                                            |
| Maximum power consumption             | 1.2 W                                                                                      |
| [Ui] rated insulation voltage         | 250 V conforming to VDE 0010<br>250 V conforming to IEC 255 Group C                        |
| 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 yellow power ON<br>1 LED red output in operation                                     |
| Product weight                        | 0.05 kg                                                                                    |

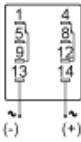
## Environment

|                                       |                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | ≤ 5 ms                                                                                                                                        |
| Dielectric strength                   | 2 kV 1 mA/1 minute 50 Hz conforming to EN/IEC 61812-1<br>2 kV 1 mA/1 minute 50 Hz conforming to EN/IEC 60601-1                                |
| Standards                             | 73/23/EEC<br>89/336/EEC<br>93/68/EEC<br>EN 50081-2<br>EN 61000-6-2<br>EN/IEC 60601-1<br>EN/IEC 60601-2<br>EN/IEC 61812-1                      |
| Product certifications                | CUL<br>UL                                                                                                                                     |
| 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 | 8 kV (in air) conforming to EN/IEC 61000-4-2 level 3<br>6 kV (in contact) 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              | 60 % / 100 ms conforming to EN/IEC 61000-4-11<br>30 % / 10 ms conforming to EN/IEC 61000-4-11<br>≥ 95 % / 1 s conforming to EN/IEC 61000-4-11 |
| Disturbance radiated/conducted        | Class B conforming to EN 55022 (EN 55011 group 1)                                                                                             |

Width 21 mm



Terminal Referencing



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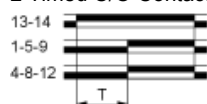
## Function A : Power on Delay Relay

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### Description

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

2 Timed C/O Contacts



### Legend

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 Relay de-energised

 Relay energised

 Output open

 Output closed

R Relay output

T Timing period