

# Product datasheet

Specifications



## Modular timing relay, 5 A, 4 CO, 0.1 s..100 h, on-Delay, 24 V DC

Local distributor code: 389834735    REXL4TMBD

EAN Code : 3389119400077

### Main

|                               |                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------|
| Range of product              | Harmony Timer Relays                                                                    |
| Product or component type     | Single function relay                                                                   |
| Fixing mode                   | Plug-in (socket)                                                                        |
| Discrete output type          | Relay                                                                                   |
| Contacts type and composition | 4 C/O                                                                                   |
| Component name                | REXL                                                                                    |
| Time delay type               | Power on-delay                                                                          |
| Time delay range              | 10...100 h<br>6...60 s<br>6...60 min<br>1...10 s<br>1...10 h<br>1...10 min<br>0.1...1 s |

### 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                    | 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                                                                                    |
| 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 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) for output in operation<br>1 LED (yellow) for power ON  |
| Net weight                    | 0.05 kg                                                             |

## Environment

|                                       |                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | 5 ms                                                                                                                                           |
| Dielectric strength                   | 2 kV for 1 mA/1 minute at 50 Hz conforming to EN/IEC 60601-1<br>2 kV for 1 mA/1 minute at 50 Hz conforming to EN/IEC 61812-1                   |
| Standards                             | EN/IEC 60601-2<br>EN 61000-6-2<br>73/23/EEC<br>EN/IEC 61812-1<br>93/68/EEC<br>EN/IEC 60601-1<br>89/336/EEC<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/<br>conducted    | Class B conforming to EN 55022 (EN 55011 group 1)                                                                                              |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 3 cm   |
| Package 1 Width              | 7.3 cm |
| Package 1 Length             | 3 cm   |
| Package 1 Weight             | 53 g   |
| Unit Type of Package 2       | S01    |
| Number of Units in Package 2 | 48     |
| Package 2 Height             | 15 cm  |
| Package 2 Width              | 15 cm  |

|                  |          |
|------------------|----------|
| Package 2 Length | 40 cm    |
| Package 2 Weight | 2.794 kg |

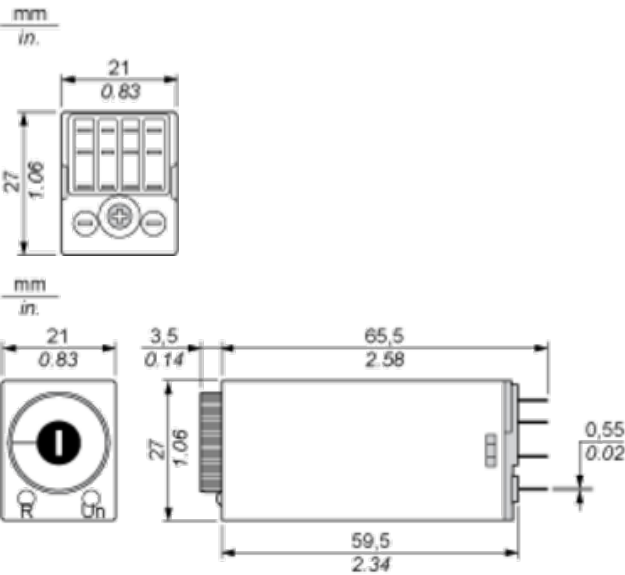
### Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

### Contractual warranty

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

Width 21 mm



Terminal Referencing

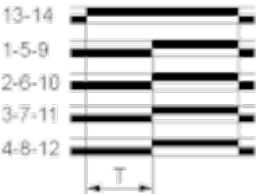


Function A : Power on Delay Relay

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 |

Recommended replacement(s)