

# Product datasheet

Specifications



## Modular timing relay, 5 A, 2 CO, 0.1 s..100 h, on-Delay, 24 V DC

Local distributor code:

389834696

REXL2TMBD

EAN Code: 3389119400015

### Main

|                               |   |
|-------------------------------|---|
| Range of product              | Harmony Timer Relays  |
| Fixing mode                   | Plug-in (socket)  |
| Product or component type     | Miniature timing relay  |
| Discrete output type          | Relay   |
| Contacts type and composition | 2 C/O   |
| Component name                | REXL  |
| Time delay type               | Power on-delay  |
| Time delay range              | 1...10 s<br>1...10 min<br>6...60 min<br>0.1...1 s<br>1...10 h<br>10...100 h<br>6...60 s |
| Width                         | 21 mm   |

### 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 IEC 61812-1                                      |
| Time delay type                       | Power on-delay - A- Power on-delay relay   |
| 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  |

|                                      |   |
|--------------------------------------|---|
| <b>[Ui] rated insulation voltage</b> | 250 V conforming to IEC 255 Group C<br>250 V conforming to VDE 0010 |
| <b>Output overvoltage protection</b> | 2 J   |
| <b>Surge withstand</b>               | 2 kV conforming to IEC 61000-4-5 level 3                            |
| <b>Creepage distance</b>             | 4 kV/3 conforming to IEC 60664-1                                    |
| <b>Local signalling</b>              | 1 LED (red) for output in operation<br>1 LED (yellow) for power ON  |
| <b>Function available</b>            | A- Power on-delay relay-2 C/O                                       |
| <b>Control type</b>                  | Without test button   |
| <b>Shape of pin</b>                  | Flat  |
| <b>Number of functions</b>           | 1   |
| <b>Net weight</b>                    | 0.05 kg   |

## Environment

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

## Packing Units

|                                     |        |
|-------------------------------------|--------|
| <b>Unit Type of Package 1</b>       | PCE    |
| <b>Number of Units in Package 1</b> | 1      |
| <b>Package 1 Height</b>             | 3 cm   |
| <b>Package 1 Width</b>              | 3 cm   |
| <b>Package 1 Length</b>             | 7.5 cm |

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|                              |         |
|------------------------------|---------|
| Package 1 Weight             | 50 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             | 2.67 kg |

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## Logistical informations

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|                   |    |
|-------------------|----|
| Country of origin | ID |
|-------------------|----|

## Contractual warranty

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



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 42

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 1b9c3411-e0e2-4832-adc7-e6e2a8e06cab

REACH Regulation [REACH Declaration](#)

## Use Again

### Repack and remanufacture

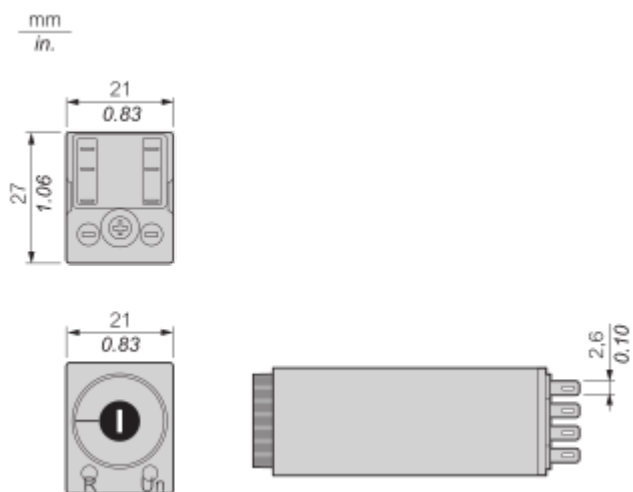
End of life manual availability No need of specific recycling operations

Take-back No

Dimensions Drawings

Width 21 mm

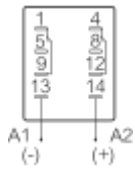
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Connections and Schema

Terminal Referencing

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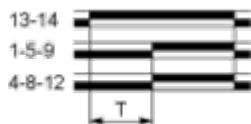
Technical Description

**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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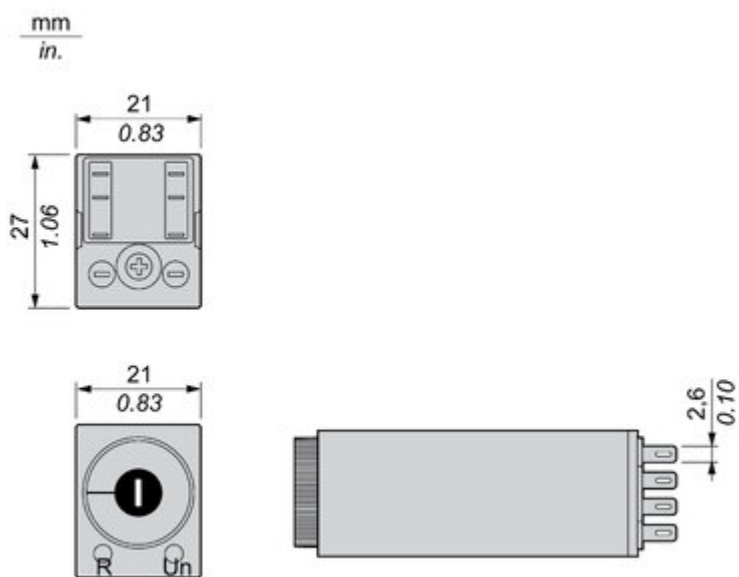
-  Relay de-energised
-  Relay energised
-  Output open
-  Output closed

|   |               |
|---|---------------|
| R | Relay output  |
| T | Timing period |

Technical Illustration

Dimensions

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Offer Marketing Illustration

Product benefits / Features

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### Features

#### Harmony Timer Relay



 "Diagnostic button" to check downstream circuit immediately, shorten the commission and troubleshooting time

 Compatible with a wide range of applications including machines, buildings, water segments, and HVAC.

 Wide range of time delay for adjustment: from 0.01 s to 999 hrs.

 Compliant with IEC 60255-1 standard, and a wide array of product certifications such as UL, CE, CSA, EAC.

 Unprecedented accuracy, predictive maintenance, and superior security.

Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

### Harmony Timer Relay

Flexible choice of screw or spring connection terminals for wiring.

One product reference covering 28 timing functions, 2 outputs, and a wide range of supply voltage 24...240 V AC/DC.

Dust and unintended human intervention avoided thanks to the IP50 lead-sealable settings protection cover.



A Dial-Pointer LED indicator that enhances ease of operation in difficult environments such as dusty or low-light conditions

Different mounting style to meet your preference:  
DIN rail mount with product width; 17.5 mm/0.69 in. 22.5 mm/0.88 in.  
Plug in mounting with socket



Image of product / Alternate images

Alternative

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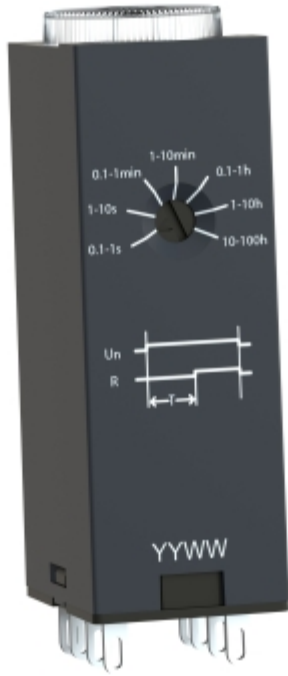


Image of product in real life situation

