

Product datasheet

Specifications



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

REXL2TMBD

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 1...10 min 6...60 min 0.1...1 s 1...10 h 10...100 h 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
Temperature drift	0.05 %/°C
maximum reset time	250 ms after time delay, on de-energisation 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 250 V conforming to VDE 0010

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Output overvoltage protection	2 J
Surge withstand	2 kV conforming to 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 1 LED (yellow) for power ON
Function available	A- Power on-delay relay-2 C/O
Control type	Without test button
Shape of pin	Flat
number of functions	1
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 IEC 60601-1 2 kV for 1 mA/1 minute at 50 Hz conforming to IEC 61812-1
Standards	73/23/EEC EN 50081-2 93/68/EEC IEC 61812-1 IEC 61000-6-2 IEC 60601-1 IEC 60601-2 89/336/EEC
product certifications	cUL 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	6 kV in contact conforming to IEC 61000-4-2 level 3 8 kV in air conforming to IEC 61000-4-2 level 3
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3 level 3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4 level 3
Immunity to radioelectric fields	10 V (0.15...80 MHz) conforming to IEC 61000-4-6 level 3
Immunity to voltage dips	>= 95 % / 1 s conforming to IEC 61000-4-11 30 % / 10 ms conforming to IEC 61000-4-11 60 % / 100 ms conforming to IEC 61000-4-11
Disturbance radiated/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	3 cm
Package 1 Length	7.5 cm
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

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Mercury Free

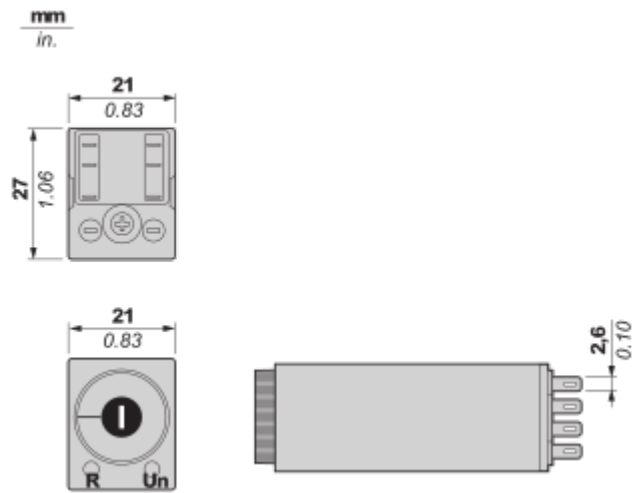
 RoHS Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations

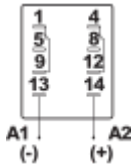
Dimensions Drawings

Width 21 mm



Connections and Schema

Terminal Referencing

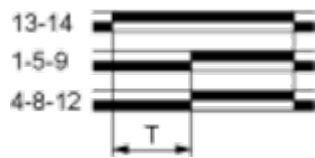


Technical Description

Function A : Power on Delay Relay

Description

The timing period T begins on energisation. After timing, the outputs close.
2 Timed C/O Contacts



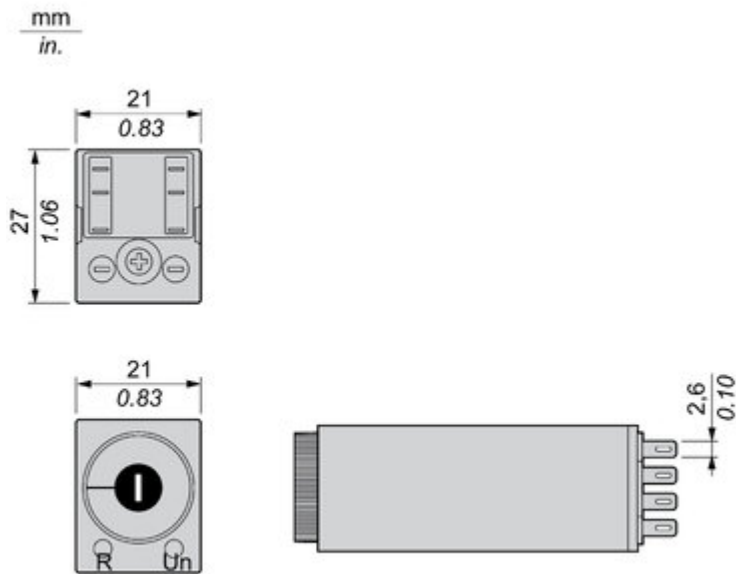
Legend

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

R	Relay output
T	Timing period

Technical Illustration

Dimensions



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



Offer Marketing Illustration

Product benefits / Features

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.



Image of product / Alternate images

Alternative





