on-delay timing relay - 0.1 s..100 h - 12 V DC - 4 OC

REXL4TMJD

Discontinued on: 02 December 2020
End-of-service on: 31 December 2020

Main
Range of Product Harmony Relay
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
10...100 h
6...60 min
1...10 h
0.1...1 s
6...60 s
1...10 s
1...10 min

Complementary
Contacts material Cadmium free
[Us] rated supply voltage 12 V DC
Voltage range 0.9...1.1 Us
Line Rated Current 5 A AC
Repeat accuracy +/- 0.5 %
Setting accuracy of time delay 10 % at full scale 25 °C EN/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 < 10 s
Minimum switching current 100 mA
Electrical durability 100000 cycles 250 V AC resistive
Mechanical durability 10000000 cycles

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 use applications.
Maximum power consumption 1.5 W

[UL] rated insulation voltage 250 V IEC 255 Group C
250 V VDE 0010

Output overvoltage protection 2 J

Surge withstand 2 kV EN/IEC 61000-4-5 level 3

Creepage distance 4 kV/3 IEC 60664-1

Local signalling for output in operation 1 LED (red)
for power ON 1 LED (yellow)

Net Weight 0.11 lb (US) (0.05 kg)

Environment

Immunity to microbreaks 5 ms

Dielectric strength 2 kV 1 mA/1 minute 50 Hz EN/IEC 60601-1
2 kV 1 mA/1 minute 50 Hz EN/IEC 61812-1

Standards 93/68/EEC
EN 50081-2
73/23/EEC
EN 61000-6-2
EN/IEC 60601-2
EN/IEC 60601-1
89/336/EEC
EN/IEC 60601-2

Product Certifications UL
cUL

Ambient air temperature for operation -4...140 °F (-20...60 °C)

Ambient Air Temperature for Storage -40...158 °F (-40...70 °C)

IP degree of protection IP50 conforming to IEC 60529

Vibration resistance 0.35 mm 10...55 Hz IEC 60668-2-6

Relative Humidity 95 % without condensation IEC 60668-2-6

Resistance to electrostatic discharge 6 kV in contact EN/IEC 61000-4-2 level 3
8 kV in air EN/IEC 61000-4-2 level 3

Resistance to electromagnetic fields 9.14 V/m (10 V/m) EN/IEC 61000-4-3 level 3

Resistance to fast transients 2 kV EN/IEC 61000-4-4 level 3

Immunity to radioelectric fields 10 V 0.15...80 MHz EN/IEC 61000-4-6 level 3

Immunity to voltage dips => 95 % / 1 s EN/IEC 61000-4-11
30 % / 10 ms EN/IEC 61000-4-11
60 % / 100 ms EN/IEC 61000-4-11

Disturbance radiated/conducted Class B EN 55022 (EN 55011 group 1)

Ordering and shipping details

Category 22370-RE, RM MISC TIMERS & COUNTERS

Discount Schedule CP2

GTIN 00785901464693

Returnability No

Country of origin ID

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Nov 24, 2023
<table>
<thead>
<tr>
<th>Offer Sustainability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable offer status</td>
</tr>
<tr>
<td>California proposition 65</td>
</tr>
<tr>
<td>REACH Regulation</td>
</tr>
<tr>
<td>EU RoHS Directive</td>
</tr>
<tr>
<td>Mercury free</td>
</tr>
<tr>
<td>China RoHS Regulation</td>
</tr>
<tr>
<td>RoHS exemption information</td>
</tr>
<tr>
<td>Environmental Disclosure</td>
</tr>
<tr>
<td>WEEE</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Contractual warranty</th>
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<tr>
<td>Warranty</td>
</tr>
</tbody>
</table>
Width 21 mm
Function A : Power on Delay Relay

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

4 Timed C/O Contacts

<table>
<thead>
<tr>
<th>13-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-5-9</td>
</tr>
<tr>
<td>2-6-10</td>
</tr>
<tr>
<td>3-7-11</td>
</tr>
<tr>
<td>4-8-12</td>
</tr>
</tbody>
</table>

Nov 24, 2023
Product data sheet

REXL4TMJD

Technical Description

Legend

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Relay de-energised</td>
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<tr>
<td></td>
<td>Relay energised</td>
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<tr>
<td></td>
<td>Output open</td>
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<tr>
<td></td>
<td>Output closed</td>
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</tbody>
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<table>
<thead>
<tr>
<th>R</th>
<th>Relay output</th>
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<tbody>
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<td>T</td>
<td>Timing period</td>
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Recommended replacement(s)

REXL4TMJD is replaced by the following product range:

Harmony Time

Timer relays standard version and Near Field Communication (NFC)

Products: 70