**CIM32, CIM32R (Railway)**

**Time relay with AC solid-state output**

6 time functions and service function, 7 time ranges from 50 ms...60 h, DIN Rail mounting according to DIN 43 880

<table>
<thead>
<tr>
<th>Type: CIM32/UC24-240V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophisticated multifunction time relay, 1 triac output, suitable for high frequency of operations and inductive loads, 6 time functions and service function ON/OFF, 7 time ranges from 50 ms ... 60 h, multifunction LED state indicator, suitable for any time-control application light-switch neon lamp current absorption on input B1, manual switching function for maintenance, emergency, etc., 16.6 Hz applications. Railway version available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum contact load</th>
<th>2 A / 250 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum contact load</td>
<td>50 mA</td>
</tr>
</tbody>
</table>

**Time functions and related connection diagrams** (Function diagrams: refer to page 130)

The functions are selectable by rotary switch

**LED function table:**

<table>
<thead>
<tr>
<th>LED</th>
<th>Relay</th>
<th>Time run</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>NO</td>
</tr>
<tr>
<td>Continuous</td>
<td>ON</td>
<td>NO</td>
</tr>
<tr>
<td>Short blinking</td>
<td>OFF</td>
<td>YES</td>
</tr>
<tr>
<td>Long blinking</td>
<td>ON</td>
<td>YES</td>
</tr>
</tbody>
</table>

**Time data**

- 7 partial time ranges, \( t_{\text{max}} \) (rotary switch)
- Fine adjustment range (rotary knob)
- Time range tolerance
- Repetition accuracy
- Response time, power on, on A1
- Min. trigger pulse on B1
- Reset time B1 (AC/DC)
- Voltage failure buffering (50 / 60 Hz)

**Output**

- Type: Triac, zero crossing
- Rated operational current at 40 °C (Fig.1)
- Max. inrush current (10 ms)
- Max. switching voltage
- Max. AC load AC-1
- \( I^2t \) value
- Leakage current

**Power supply- and control input**

- Nominal voltage
- Operating voltage range
- Power consumption
- Frequency range
- Allowed DC residual current into B1
- AC Neon lamp residual current into B1
- Trigger threshold voltage on B1, AC / DC

**Insulation**

- Test voltage between output and control input

**General Specifications**

- Ambient temperature storage /operation
- Conductor cross section
- Ingress protection degree
- Max. Screw torque
- Housing material / weight

**Standard types**

- UC (AC/DC), 15...60 Hz
- Railway

---

EN 50155, EN 60730

---

This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.