11 pin plug-in time relay according to IEC 67-I-18a, 2 change over contacts. Potential-free triggering of Start- Stop- and Reset inputs.

**Type: C56/… V R**

Plug-in digital time relay, 2 change over contacts, UC 24 … 60 V, UC 110 … 240 V operating voltages, 15 time functions including rotational speed monitoring or similar applications, time- STOP and RESET function inputs, Time run / function state display and interactive time setting by display.

Digital setting of time until 60 days, quartz precision

<table>
<thead>
<tr>
<th>Maximum contact load</th>
<th>5 A / 250 V AC-1</th>
<th>5 A / 35 V DC-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended minimum contact load</td>
<td>10 mA / 12 V</td>
<td></td>
</tr>
</tbody>
</table>

**Time data**

- Time ranges seconds: 0,01 s … 59.9 s; resolution 0.01 s
- Time ranges minutes: 0,1 s … 59 min 59.9 s; resolution 0.1 s
- Time ranges hours: 0.1 min … 59 h 59.9 min; resolution 0.1 min
- Time ranges days: 0.1 h … 59 day 23.9 h; resolution 0.1 h
- Time accuracy: % from set value: 0.05%
- Repetition accuracy: 0.05% or ±10 ms
- Min. trigger pulse on B1: 30 ms
- Reset time on A1: ≤ 200 ms

**Contacts**

- Type: 2 CO, micro disconnection
- Material: AgNi
- Rated operational current: 5 A
- Max. switching voltage AC-1: 250 V
- Max. AC load AC-1 (Fig.1): 1250 VA
- Max. DC load DC-1, 30 V / 250 V (Fig.2): 150 W / 60 W

**Power supply data (UC = AC / DC)**

- Nominal voltage: UC 24…60 V
- Operating voltage range [V]: 19 … 75
- Power consumption [W]: ≤ 2
- Frequency range [Hz]: 48 … 400

**Control inputs**

- Working voltage: 10 V
- Input current: ≤ 4 mA
- Max. transient voltage: 1 kV, 50 µs

**Insulation**

- Test voltage between contacts and other connections: 2 kVrms 1 minute

**General Specifications**

- Ambient temperature storage /operation: -40 … 85 °C / -25 … 60 °C
- Mechanical life of contacts: ≥ 30 x 10⁶ operations
- Expected life @ 40 °C (MTBF) (except contacts): > 150 000 h
- Ingress protection degree: IP 40 when plugged in
- Housing material / Weight: Lexan / 80 g

**Standard types**

- UC (AC/DC) 48…400 Hz: C56/UC24-60V R
- UC (AC/DC) 48…400 Hz: C56/UC110-240V R

**Accessories:**

- Socket: S3-xx
- Spare label plate: PL-50
- Retaining clip: HF-50
- Transparent front cover: FA-50
- Front panel mounting set: FZ-50L (Frame + retaining clip + socket with soldering connections)

**Technical approvals, conformities**

EN 60947