11 pin plug-in time relay according to IEC 67-I-18a, 50 ms ... 60 h, wide band 12 ... 240 V operating voltage, 2 change over output contacts

**Type: C63/UC 12-240 V R**
- Plug-in time relay
- 2 change over contacts
- UC 12-240 V operating voltage
- 7 time functions, time ranges: 50 ms ... 60 h
- LED for output state indication

**Maximum contact load**: 6 A / 250 V AC-1  
**Recommended minimum contact load**: 10 mA / 10 V

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

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**Time data**
- 7 partial time ranges, \( t_{\text{max}} \) (DIP switch):
  - 0.6, 6, 60 s / 6, 60 min / 6, 60 h
- Fine adjustment range (rotary knob): \( t_{\text{min}} \) ... \( t_{\text{max}} \):
  - 5 ... 60
- Time range tolerance:
  - \( t_{\text{min}} \): -5 % ... +5 % / \( t_{\text{max}} \): -5 % ... +5 %
- Repetition accuracy:
  - ± 1 %
- Min. trigger impulse on B1:
  - ≥ 30 ms
- Reset time:
  - ≤ 30 ms
- Voltage failure buffering:
  - 20 ms

**Contacts**
- Type: 2 CO, micro disconnection
- Material: AgNi
- Rated operational current: 6 A
- Max. switching voltage AC-1: 250 V
- Max. AC load AC-1 (Fig.1): 1500 VA
- Max. DC load DC-1 30 V / 250 V (Fig.2): 180 W / 60 W

**Power supply and control input (UC = AC / DC)**
- Nominal voltage (A1, B1):
  - UC 12 ... 240 V
- Operating voltage range:
  - 10.2 ... 265 V
- Power consumption:
  - ≤ 1.4 W
- Frequency range:
  - 45 ... 63 Hz
- Allowed residual current into B1 AC / DC:
  - ≤ 2.3 mA / 1.2 mA
- Trigger threshold voltage on B1, AC / DC:
  - 6.5 V / 7 V

**Insulation**
- Test voltage open contact:
  - 1 kVrms 1 minute
- Test voltage between poles:
  - 2 kVrms 1 minute
- Test voltage between contacts and control input:
  - 2 kVrms 1 minute

**General Specifications**
- Ambient temperature storage / operation:
  - -40 ... 85 °C / -25 ... 60 °C
- Mechanical life of contacts:
  - ≥ 30 x 10⁶ operations
- Ingress protection degree:
  - IP 40 when plugged in
- Housing material / Weight:
  - Lexan / 75 g

**Standard types**
- UC (AC/DC):
  - C63/UC12-240 V R

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

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**Connection diagram**

**Fig. 1 AC electrical endurance**

**Fig. 2 DC load limit curve**

**Dimensions [mm]**

**Technical approvals, conformities**

EN 60947

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