Solid state outputs 11 pin plug-in time relay according to IEC 67-1-18a.

**Type: C55.3/V R, C55.4/DC24V R**

Plug-in digital time relay, 2 types of solid state outputs: DC 24 V, UC 10...265 V, DC 24 V, 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 display by display, Digital setting of time until 60 days, quartz precision

Maximum output load xxx.3: 0.5 A / 265 V AC / DC; xxx.4: 2 A / 30 V DC

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

**Stop input Y1, pin 7 (static):**
Stops time run while active

**Reset input Y2, pin 5 (dynamic):**
Sets timer to start condition, time runs again from beginning

### 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

### Outputs

**Type**
- C55.3: UC (AC / DC) solid state
- C55.4: DC solid state

**Insulated to inputs A2 common connection**
- Overload and short circuit proof: Yes (6 A / 2 µs) "sc" display
- Max. switching voltage: 265 V
- Rated operational current: 0.5 A
- Max. inrush current: 3 A (10 ms) Fig.1
- Max. inductive switch-off energy: 0.5 Ws @ 2 s cycle time

**Power supply - and control inputs (Start, Stop, Reset) (UC = AC / DC)**

**Nominal voltage**
- DC 24 V
- UC 24 ... 60 V
- UC 110 ... 240 V

**Operating voltage range [V]**
- DC 24 V
- UC 24 ... 60 V
- UC 110 ... 240 V

**Power consumption [W]**
- ≤ 1
- ≤ 2
- ≤ 2

**Frequency range [Hz]**
- 48 ... 400

**Allowed residual current AC / DC [mA]**
- ≤ 1
- ≤ 1.5
- ≤ 1

**Threshold voltage, control inputs [V]**
- ≥ 7
- ≥ 11
- ≥ 50

**Insulation**
- C55.3: not insulated
- C55.4: not insulated

**Test voltage between outputs and other connections**
- 2 kVrms 1 minute

### General specifications

- Ambient temperature storage / operation: -40 ... 85 °C / -25 ... 60 °C
- Expected life @ 40 °C (MTBF): > 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: C55.3/UC24-60V R, C55.3/UC110-240V R
- DC 24 V: C55.4/DC24V R

### Accessories:

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

### Technical approvals, conformities

EN 60947