**Operation**

For timing, the timer EAS needs a continuous supply voltage at the B1 and A2, B2 and A2 or A1 and A2 terminals. The delay on operate and delay on release times are equal, the time is set by a built-in potentiometer with direct reading scale.

By connecting a remote potentiometer the time can be set externally. If an external potentiometer is connected, the built-in one is automatically disabled.

To initiate the delay on operate function, close control contact Y1-Z2. When the timer has elapsed, opening control contact Y1-Z2 starts the delay on release function.

Closing control contact X1-Z2 stops both timing functions above. The elapsed time is stored.

If the control contact X1-Z2 is then opened, the timer continues from the time value previously stored. This function can be repeated as often as required.

The green LED flashes when timing both functions. After the timer has elapsed, the green LED turns steady.

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**Technical Data**

**Input circuit**

Supply voltage - power consumption

<table>
<thead>
<tr>
<th>Supply voltage (V)</th>
<th>P/N:</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 V AC/DC</td>
<td>2 430 173 01</td>
</tr>
<tr>
<td>42...48 V AC/DC</td>
<td>approx. 1.2 VA / W</td>
</tr>
<tr>
<td>110...240 V AC</td>
<td>approx. 2 VA / W</td>
</tr>
</tbody>
</table>

**Accessories**

<table>
<thead>
<tr>
<th>Accessories</th>
<th>P/N:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote potentiometer</td>
<td>3 701 800 10</td>
</tr>
<tr>
<td>Sealable transparent cover</td>
<td>3 430 005 01</td>
</tr>
</tbody>
</table>

**Voltage supplied at the control contacts**

Voltage supplied internally; no external supply required.

**Control contact connections,**

Y1-Z2: external timer start-up

X1-Z2: Timer stop, time storage

**Voltage supplied at the control contacts**

Voltage supplied internally; no external supply required.

**Minimum controller pulse length**

20 ms

**Floating voltage at the control contacts**

10...40 V DC

**Maximum switching current in the control circuit**

<1 mA

**Maximum cable length to the control inputs**

50 m

**Remote potentiometer connection**

Z1-Z2: 50 kΩ

**Max. cable length to the remote potentiometer**

25 m shielded, shield connected to Z2

**Duty time**

100 %

**Timing circuit**

- **Time ranges**: 0.05 s ... 300 h
- **Recovery time**: < 50 ms
- **Repetitive accuracy** (constant parameters): < 0.2 %
- **Timing error within the tolerance of the supply voltage**: < 0.008 % / V
- **Timing error within temperature range**: < 0.02 % / °C

**Display of operational status**

- **Supply voltage/timer LED**: green steady / flashing while timing
- **Output relay energized LED**: red

**Output circuit**

15-16/18 Relay, 1 SPDT contact

**Rated voltage**

VDE 0110, IEC 947-1 250 V

**Rated switching voltage**

250 V AC

**Rated switching current**

- AC 12 (resistive): 4 A (at 230 V)
- AC 15 (inductive): 3 A (at 230 V)
- DC 12 (resistive): 4 A (at 24 V)
- DC 13 (inductive): 2 A (at 24 V)

**Maximum mechanical life**

30 x 10^6 operations

**Maximum electrical life (to AC 12 / 230 V / 4 A)**

1 x 10^6 operations

**Short-circuit proof, max. fuse rating**

10 A / fast, operating class gl

**General data**

- **Rated impulse withstand voltage Vimp**: 4 kV
- **Operating temperature**: -25°C...+65°C
- **Storage temperature**: -40°C...+85°C
- **Installation position**: any
- **Mounting of DIN rail (EN 50022)**: Snap-on mounting / Screw mounting by adapter
- **Weight**: approx. 5.5 oz (150 g)
- **Dimensions (W x H x D)**: 22.5 x 78 x 100 mm

**Accessories**

See Accessories page at end of section

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**1 Function**

- **Function 1**: 10 time ranges in every unit
  - 1.05 - 1 s*: 6.00 - 30 s
  - 0.15 - 3 s*: 7.50 - 30 min.
  - 0.50 - 10 s: 8.00 - 30 min.
  - 1.50 - 30 s: 9.00 - 30 h
  - 5.00 - 100 s: 10.00 - 300 h

* In this time range no flashing of the green LED while timing.

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**Approvals:**

- EN 50022
- 100 %
- 1x 10^5