ENYA series
Timer for automatic test of emergency lights
Integrated test key
1 change over contact
Width 17.5mm
Installation design

Technical data

1. Functions
   Ws  Single shot leading edge with control contact

2. Time ranges
   Time range reversible between
   10min, 30min, 60min, 90min, 2h and 3h

3. Indicators
   Green LED U/t ON: indication of supply voltage
   Green LED U/t flashes: indication of time period t
   Green LED U/t flashes fast: abort of time period t
   Yellow LED ON/OFF: indication of relay output

4. Mechanical design
   Self-extinguishing plastic housing, IP rating IP 40
   Mounted on DIN-rail TS 35 according to EN 60715
   Mounting position: any
   Shockproof terminal connection according to VBG 4 (PZ1 required), IP rating IP20
   Terminal capacity:
   1 x 0.5 to 2.5mm² with/without multicore cable end
   1 x 4mm² without multicore cable end
   2 x 0.5 to 1.5mm² with/without multicore cable end
   2 x 2.5mm² flexible without multicore cable end

5. Input circuit
   Supply voltage: 230V AC
   Terminals: L-N
   Tolerance: -15% to +10%
   Rated frequency: 48 to 63Hz
   Rated consumption: 2VA (1.0W)
   Duty cycle: 100%
   Reset time: 500ms
   Ripple and noise at DC: -
   Drop out voltage: >30% of supply voltage
   Overvoltage category: III (in accordance with IEC 60664-1)
   Rated surge voltage: 4kV

6. Output circuit
   1 change over contact
   Normally open contact
   Terminals: L-18
   Rated voltage: 250V AC
   Switching capacity: 1250VA (5A / 250V AC)

   Normally closed contact
   Terminals: L-16
   Rated voltage: 250V AC
   Switching capacity: 2500VA (10A / 250V AC)
   If the distance between the devices is less than 5mm!

   Switching capacity: 4000VA (16A / 250V AC)
   If the distance between the devices is greater than 5mm!
   Start-up peak (20ms): 80A

Mechanical life: 30 x 10^6 operations
Electrical life:
   Resistive load: 10^6 operations at 16A 250V
   Lamp load: 80,000 operations at 1000W 250V

7. Accuracy
   Base accuracy: ±5%
   Adjustment accuracy: -
   Repetition accuracy: <2%
   Voltage influence: -
   Temperature influence: ±1%

8. Ambient conditions
   Ambient temperature: -25 to +55°C
   Storage temperature: -25 to +70°C
   Transport temperature: -25 to +70°C
   Relative humidity: 15% to 85%
   (in accordance with IEC 60721-3-3 class 3K3)
   Pollution degree: 2, if built in 3
   (in accordance with IEC 60664-1)
Functions

Single shot leading edge with testkey (Ws)
The supply voltage U must be constantly to the device (green LED U/t illuminated). Pressing the integrated test key forces the output relay R to switch into on-position (yellow LED illuminated), so the emergency lights are disconnected from the mains and the set interval t begins (green LED U/t flashes). After the interval t has expired (green LED U/t illuminated), the output relay R switches into off-position (yellow LED not illuminated) and the emergency lights are reconnected to the mains. During the interval, the test key can be operated any number of times. Prolonged pressure on the test key (>2s) aborts the running test interval (green LED U/t flashes fast) and a further cycle can be started.

Connections

Direct connection of emergency lights (I < 16A)

Switching emergency lights with contactor (I > 16A)

Dimensions

Ordering Informations

<table>
<thead>
<tr>
<th>Types</th>
<th>Functiones</th>
<th>Control contact</th>
<th>Supply voltage</th>
<th>Part. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1ZNT 230V</td>
<td>Ws</td>
<td>Integrated test key</td>
<td>230V AC</td>
<td>110500</td>
</tr>
</tbody>
</table>