Motor Control Timers

- Brown Out Timer with 3 Functions: ON Delay, Interval, Pulse
- Detects Voltage Dips and Momentary Loss of Supply & Resets the control panel
- Low Power Consumption
- Fast Response Time
- LED indications for Healthy & Unhealthy conditions
- Excellent Noise Immunity to the latest IEC standards

Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23UDT0</td>
<td>110 VAC, Brown Out Timer with 3 Functions, 1 C/O</td>
</tr>
<tr>
<td>27UDT0</td>
<td>240 VAC, Brown Out Timer with 3 Functions, 1 C/O</td>
</tr>
</tbody>
</table>
## Motor Control Timers

### Cat. No. 23UDT0 27UDT0

<table>
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<tr>
<th>Parameters</th>
<th>Brown Out Timer</th>
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<td>Modes</td>
<td>ON Delay, Interval, Pulse</td>
<td></td>
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### Functional Diagram

- **ON DELAY**
- **INTERVAL**
- **PULSE**

### Supply Voltage (\(\phi\))

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### Supply Variation

- 23UDT0: -40% to +10% of \(\phi\)
- 27UDT0: -40% to +10% of \(\phi\)

### Frequency

- 50/60 Hz

### Power Consumption (Max.)

- 6 VA
- 10 VA

### Timing Range

- 0.3s to 30s

### Initiate Time

- Max. 200 ms
- Max. 200 ms

### Trip Voltage

- 81 V (± 6 V)
- 168 V (± 6 V)

### Recovery Voltage

- 96 V (± 4 V)
- 184 V (± 4 V)

### Response Time

- Voltage Interruptions
  - Time: 15 ms (Max.)
  - Voltage Dips: 30 ms (Max.)

### Setting Accuracy

- ± 5% of Full scale

### Repeat Accuracy

- ± 1%

### Output

- Relay Output: 1 C/O
- Contact Rating: 5A @ 240 VAC / 28 VDC (Resistive)
- Electrical Life: \(1 \times 10^6\)
- Mechanical Life: \(1 \times 10^6\)

### Utilization Category

- AC - 15
- DC - 13

### Rated Voltage (Ue)

- 120/240 V, Rated Current (Ie): 3.0/1.5 A
- 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A

### Operating Temperature

- -10°C to +55°C

### Storage Temperature

- -10°C to +60°C

### Humidity (Non Condensing)

- 95% (Rt)

### LED Indication

- Healthy Condition: Flashing
- Unhealthy Condition: Blinking

### Enclosure

- Flame Retardant UL94-V0

### Dimension (W x H x D) (in mm)

- 22.5 X 75 X 100.5

### Weight (unpacked)

- 130 g

### Mounting Base / DIN rail

### Certification

- CE

### Degree of Protection

- IP 20 for Terminals, IP 40 for Enclosure

### EMI / EMC

- Harmonic Current Emissions: IEC 61000-3-2
- ESD: IEC 61000-4-2
- Radiated Susceptibility: IEC 61000-4-3
- Electrical Fast Transients: IEC 61000-4-4
- Surges: IEC 61000-4-5
- Conducted Susceptibility: IEC 61000-4-6
- Voltage Dips & Interruptions (AC): IEC 61000-4-11
- Conducted Emission: CISPR 14-1
- Radiated Emission: CISPR 14-1

### Environmental

- Cold Heat: IEC 60068-2-1
- Dry Heat: IEC 60068-2-2
- Vibration: IEC 60068-2-6
- Repetitive Shock: IEC 60068-2-27
- Non-Repetitive Shock: IEC 60068-2-27