Electronic transformers for low voltage Halogen lamps ETK50 'Halolite'

Definition
Small, compact, light weight, high frequency electronic transformer for halogen lamps (20, 35 and 50W), in dichroic, capsule or linear shape.

Description
The ETK50 'Halolite' is a compact electronic transformer for systems upto 50W, with following features
- Compact and light weight
- Low loss - high energy efficiency
- Safe operation: Built into the transformer are three different protection circuits
- Short circuit protection: These protection circuits present the transformer from breaking down if a short circuit is made at the output of the transformer
- Over load protection: If high loads are applied to the transformer it will shut down
- Over voltage protection (auto shut off): The circuit cuts off the transformer in case the input voltage increases 300V
- Wide operating ambient upto 50°C
- Suitable to use with leading and trailing edge dimmer.

Applications

Benefits
- Energy saving
- Small & compact hence carry mounting
- Less heat dissipation, hence less A/c load.
- Fire retardant housing
- Dimmable
- Quality standard ISO 9001
- Environmental standard ISO 14001.

Technical data

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Qty. of lamps</th>
<th>Transformer</th>
<th>Mains supply</th>
<th>PF</th>
<th>System power</th>
<th>Transformer losses</th>
<th>Output voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V/50W Halogen</td>
<td>1</td>
<td>ETK 50 Halolite</td>
<td>240</td>
<td>0.85</td>
<td>45.0</td>
<td>3W</td>
<td>11.3</td>
</tr>
</tbody>
</table>

Dimensions in mm

Fig A
Electronic transformers for low voltage Halogen lamps ETK50 'Halolite'

Technical data for installation

Mains operation
- Rated voltage: 240 V
- Mains frequency: 50/60 Hz
- Operating frequency: > 40 kHz
- Power factor: 0.85

Lifetime
- 5 years operation at 4000 hr/yr with 10% failure: 20000 hrs
- Overvoltage protection up to: 300 V
- $T_{\text{amb}}$: 0 ± 50°C
- $t_{\text{case (max)}}$: 60°C
- Lamp end of life detection / shut off: yes
- Cable capacity: to be advised
- Hum and noise level: inaudible

Installation recommendation
- Wire cross-section or mains side: 0.5–0.75 mm²
- Wire cross-section on lamp side: 0.5–0.75 mm²
- Strip length: 6–8 mm
- The minimum distance between transformer and lamp is: 20 cm
- The maximum distance between transformer and lamp is: 2 m
- The distance between on transformers must be more than: 25 cm

Ordering and packing data

<table>
<thead>
<tr>
<th>Transformer</th>
<th>Ordering number</th>
<th>Dimensions l x w x h mm</th>
<th>Wiring diagram</th>
<th>Weight net kg</th>
<th>Carton unit Qty.</th>
<th>Box dimensions l x w x h cm</th>
<th>Volume m³</th>
<th>Weight gross kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETK 50 'Halolite'</td>
<td>1211 0016 5</td>
<td>92 x 44 x 33</td>
<td>1</td>
<td>0.065</td>
<td>50</td>
<td>24.0 x 20.5 x 19.0</td>
<td>0.009</td>
<td>3.6</td>
</tr>
</tbody>
</table>