EasyLine SIMPLE FIX C-R30 WIRE

186458, 186342, 186348

Typical Applications
Built-in in compact luminaires for
• Residential lighting

- WITH INTEGRATED CORD GRIP FOR INDEPENDENT OPERATION
- PREASSEMBLED CONNECTION LEADS
- SELV
- SUITABLE FOR BUILT-IN INTO FURNITURE
- LONG SERVICE LIFE: UP TO 50,000 HRS.
- PRODUCT GUARANTEE: 5 YEARS
LED Drivers – EasyLine Simple Fix C-R30 wire

EasyLine
Simple Fix
C-R30 wire

Product features
• Linear casing shape
• For applications according to EN 60335 (only 186458)

Electrical features
• Mains voltage: 220–240 V ±10%
• Mains frequency: 50–60 Hz
• Pre-assembled connection leads primary: 2x0.75 mm², length: 180 mm secondary: 2x0.5–0.75 mm², length: 180 mm
• Power factor at full load: > 0.5
• Open circuit voltage (U_{max}): 12 V
• Secondary side switching of LED modules is not allowed.

Safety features
• Electronic short-circuit protection
• Overload protection
• Protection against “no load” operation
• Degree of protection: IP20
• Protection class II
• SELV

Packaging units

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Packaging unit</th>
<th>Weight g</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pieces per box</td>
<td>Boxes per pallet</td>
</tr>
<tr>
<td>186458</td>
<td>20</td>
<td>180</td>
</tr>
<tr>
<td>186342</td>
<td>20</td>
<td>180</td>
</tr>
<tr>
<td>186348</td>
<td>20</td>
<td>180</td>
</tr>
</tbody>
</table>

Dimensions
• Casing: K51
• Length: 82 mm
• Width: 42.5 mm
• Height: 23 mm

Applied standards
• EN 61347
• EN 61347-2-13
• EN 61547
• EN 61000-3-2
• EN 62384
• EN 60335 (only 186458)
• EN 55015

Product guarantee
• 5 years
for operation at recommended operation temperature [see table for expected service life time on the next page]
• The conditions for the Product Guarantee of the Vossloh-Schwabe Group shall apply as published on our homepage (www.vossloh-schwabe.com). We will be happy to send you these conditions upon request.

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.
LED Drivers – EasyLine Simple Fix C-R30 wire

**Electrical characteristics**

<table>
<thead>
<tr>
<th>Max. output W</th>
<th>Type</th>
<th>Ref. No.</th>
<th>Voltage 50–60 Hz V</th>
<th>Mains current mA</th>
<th>Mains current A / µs</th>
<th>Current output DC mA (± 8%)</th>
<th>Voltage output DC (V)</th>
<th>Efficiency at full load % (230 V)</th>
<th>Ripple 100 Hz %</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2</td>
<td>ECxe 700.161</td>
<td>186458</td>
<td>220–240</td>
<td>50–30</td>
<td>5.3 / 178</td>
<td>700</td>
<td>2.8–7.4</td>
<td>&gt; 70</td>
<td>&lt; 30</td>
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<tr>
<td>5.6</td>
<td>ECxe 700.081</td>
<td>186348</td>
<td>220–240</td>
<td>45–30</td>
<td>15.8 / 84</td>
<td>700</td>
<td>2.8–8</td>
<td>&gt; 70</td>
<td>&lt; 30</td>
</tr>
<tr>
<td>7</td>
<td>ECxe 350.079</td>
<td>186342</td>
<td>220–240</td>
<td>50–36</td>
<td>15.5 / 72</td>
<td>350</td>
<td>8.4–20</td>
<td>&gt; 70</td>
<td>&lt; 30</td>
</tr>
</tbody>
</table>

**Maximum ratings**

Exceeding the maximum ratings can lead to reduction of service life or destruction of the drivers.

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Ambient temperature range °C min.</th>
<th>Ambient temperature range °C max.</th>
<th>Operation humidity range % min.</th>
<th>Operation humidity range % max.</th>
<th>Storage temperature range °C min.</th>
<th>Storage temperature range °C max.</th>
<th>Storage humidity range % min.</th>
<th>Storage humidity range % max.</th>
<th>Max. operation temperature at t_c point °C</th>
<th>Degree of protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>186458</td>
<td>-15</td>
<td>+45</td>
<td>20</td>
<td>60</td>
<td>-40</td>
<td>+85</td>
<td>5</td>
<td>95</td>
<td>+70</td>
<td>IP20</td>
</tr>
<tr>
<td>186342</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>+75</td>
<td></td>
</tr>
</tbody>
</table>

**Expected service life time**

at operation temperatures at t_c point

<table>
<thead>
<tr>
<th>Operation current</th>
<th>Ref. No.</th>
<th>186458</th>
<th>186342, 186348</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>60 °C*</td>
<td>70 °C</td>
<td>65 °C*</td>
</tr>
<tr>
<td>hrs.</td>
<td>50,000</td>
<td>30,000</td>
<td>50,000</td>
</tr>
<tr>
<td>hrs.</td>
<td>30,000</td>
<td>50,000</td>
<td>30,000</td>
</tr>
</tbody>
</table>

* recommended operation temperature

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