LC-SRB

Strain Relief Series

- Enables easy independent installation of compatible plastic case compact LED drivers
- Easy installation with screwless cable clamps
- Sturdy structure, compatible with cables of different thickness

PACKAGE CONTENTS

One set of LC-SRB strain relief consists of the following parts:
- Cover part
- Bottom part
- Three screwless push-to-fix cable clamps
- One sticker bearing the symbol (for certain Helvar drivers, see page 3)

DIMENSIONS

![Dimensions Diagram]

MATERIALS AND CONDITIONS

Material Specifications

<table>
<thead>
<tr>
<th>Material type</th>
<th>Polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire retardant</td>
<td>Yes</td>
</tr>
<tr>
<td>UV protected</td>
<td>Yes</td>
</tr>
<tr>
<td>Colour</td>
<td>White, RAL 9016</td>
</tr>
<tr>
<td>Halogen free according to</td>
<td>IEC 61249-2-21</td>
</tr>
</tbody>
</table>

Mechanical, Operating & Storage Conditions

- Driver cross-section dimensions: 79-81 x 28-30 mm
- Wire size: 0.5 - 2.5 mm²
- Ambient temperature range: -25...+45 °C*
- Storage temperature range: -40...+80 °C
- Assembly temperature range: +5...+30 °C

*Unless otherwise stated in the driver datasheet (for independent installation). Note! Tc max temperature of the driver shall not be exceeded.

Conformity & Standards

- Luminaires - Part 1: General requirements and tests: IEC 60598-1:ed.8 2014
- Compliant with relevant EU directives, CE marked, RoHS/REACH compliant

IEC Halogen free

CE
Suitability for different Helvar LED drivers

The above mentioned Helvar compact LED drivers are Class II devices that have double or reinforced insulation between live electrical parts and accessible parts of the driver and no earthing terminal.

When installing above mentioned Helvar Class II drivers independently with LC-SRB strain reliefs, these drivers have isolated SELV output. The accessible parts of both the cabling and the luminaire part must have then basic isolated according to Uout max of the driver (SELV voltage). In addition to this, the operating conditions of the driver in independent installation may never exceed the specifications as per the product datasheet.

Required insulations illustrated in the figure below. It is always the integrator’s responsibility to ensure that the combination of the driver and the luminaire part complies with the relevant safety standards (e.g. IEC / EN 60598-1).

Because of the regulations, the Class II drivers designed for built-in usage, marked with symbol (double ring), must be marked with the symbol of (double square) when fitted with accessories making it suitable for independent installation.

Thus, when installing the LC-SRB strain reliefs to Class II Helvar drivers marked with the symbol , the sticker bearing the symbol must be attached to the driver case or strain relief.

Do not use the stickers with Helvar SE compact series drivers!

Attach the sticker, when using the LC-SRB strain relief with the following drivers:

<table>
<thead>
<tr>
<th>LC1x50-E-CC</th>
<th>LC1x50-E-DA</th>
<th>LC1x70-E-CC</th>
<th>LC1x70-E-DA</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC35/2-DA-iC</td>
<td>LC45/2-DA-iC</td>
<td>LC1x50 Active+</td>
<td>LC1x50 Active+</td>
</tr>
</tbody>
</table>

LIMITATION OF LIABILITY. ALWAYS CHECK AND FOLLOW EXACT REGULATIONS FROM LATEST RELEVANT IEC/EN STANDARDS.
Thermal considerations

The LC-SRB strain reliefs are designed and tested to comply with the luminaire standard EN 60598-1:2015 where applicable. When combining the strain reliefs and drivers for independent installation of the drivers, it is always the responsibility of the integrator to ensure that the combination complies with the relevant standards (e.g. IEC / EN 60598-1).

Thermal design of the luminaire system is important for the safety, reliability and lifetime of the system. Datasheets give guidelines what range of ambient temperature is recommended for the driver in built-in and in independent usage, but in both environments it is always the responsibility of the integrator to ensure that the Tc point temperature does not exceed the Tc max temperature specified in the product datasheet.

Installation, mechanical and chemical considerations

- Do not assemble the LC-SRB strain reliefs into place in cold environments (<5 °C)
- When installing the strain reliefs, refer to the separate installation guide
- The protection class of the final installation must be adequate for the application
- While handling the strain reliefs avoid excess mechanical stress or pressure applied to them
- Avoid dropping of the strain reliefs
- Mechanical modifications (drilling, milling, sawing or cutting of the strain reliefs) are not permitted

Chemical substances may cause damage to the LC-SRB strain reliefs. Avoid materials and substances containing:
- Acetone, ketones, ethers, and aromatic and chlorinated hydrocarbons
- Aqueous or alcoholic alkaline solutions, ammonia gas and its solutions and amines

Do not expose LC-SRB strain reliefs to steamy environments.