Klippon® Fire Rated Box
for railway applications

E30, E60 and E90 fire resistant boxes - Keep circuit integrity with industrial enclosures

Fire protected boxes are used as Junction Boxes for supplying power to functional integrity circuits in the tunnel, keeping connectivity in case of fire, commonly for ventilation and lighting.

Fire rated boxes keep up connectivity for a specific period of time (30, 60 or 90 minutes) under high temperatures (up to 1000°C). This combination of time and temperature is defined by different standards. Our Klippon® Fire Rated Boxes are tested under the most common and internationally accepted standard 4102-12 (E30, E60 and E90). Other standards can be tested on request. The fire rating certificate is valid for specific configurations. Other configurations should be certified separately.

The equipped enclosures of the Klippon® POK and Klippon® STB series are suitable wherever corrosion resistance, impact resistance and a high degree of protection is required.

Your special advantages:

• Industrial enclosures to guarantee its perfect performance on the most demanding environments even years after installation

• The complete solution consists of standard Weidmüller components, giving a quality warranty and easy availability

• Assembled junction boxes tested under the most common standard: DIN4102-12 (E30, E60, E90)

• Four models to adjust to your requirements: GRP, mild steel, with and without fuse links.

• Variants and customer specific assemblies available

• Ceramic terminals optional with fuse holder
High quality industrial enclosures
- tested acc. to DIN 4102-12 (E30, E60, E90)
- robust
- long-living
- high impact resistance (IK8, IK9)
- high temperature resistance (-20°C to +80°C)

Remark:
The boxes were tested with the cables “Dätwyler E 90: Cable 5 x 1,5mm²” and “EUPEN Eurocase E90 5x10mm²”. The wiring was tested horizontally and vertically on the wall and also under the ceiling.

Technical data

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Enclosure</th>
<th>Integrity DIN 4102</th>
<th>Impact resistance</th>
<th>Ingress protection</th>
<th>Connectivity</th>
<th>Cable size</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>KLIPPON POK 252512 M25 E60</td>
<td>Glass fibre reinforced Polyester</td>
<td>E60</td>
<td>IK 8 (5 Joule)</td>
<td>IP 66</td>
<td>SAKK ceramic</td>
<td>1,5 - 10 mm²</td>
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<td>E90</td>
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<td>IP 66</td>
<td>SAKK ceramic</td>
<td>1,5 - 10 mm²</td>
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</tr>
</tbody>
</table>

Remark:
The boxes were tested with the cables “Dätwyler E 90: Cable 5 x 1,5mm²” and “EUPEN Eurocase E90 5x10mm²”. The wiring was tested horizontally and vertically on the wall and also under the ceiling.

E 30:
- POK – certified all tested variants
- STB – certified all tested variants

E 60:
- POK – certified for Dätwyler 5 x 1,5 cable
- STB – certified for both types of cable

E 90:
- POK – not tested / not certified
- STB – certified all tested variants without fuse holders; with fuse holders only for Dätwyler 5 x 1,5 cable

Made in Germany | 05/2021