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 (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.

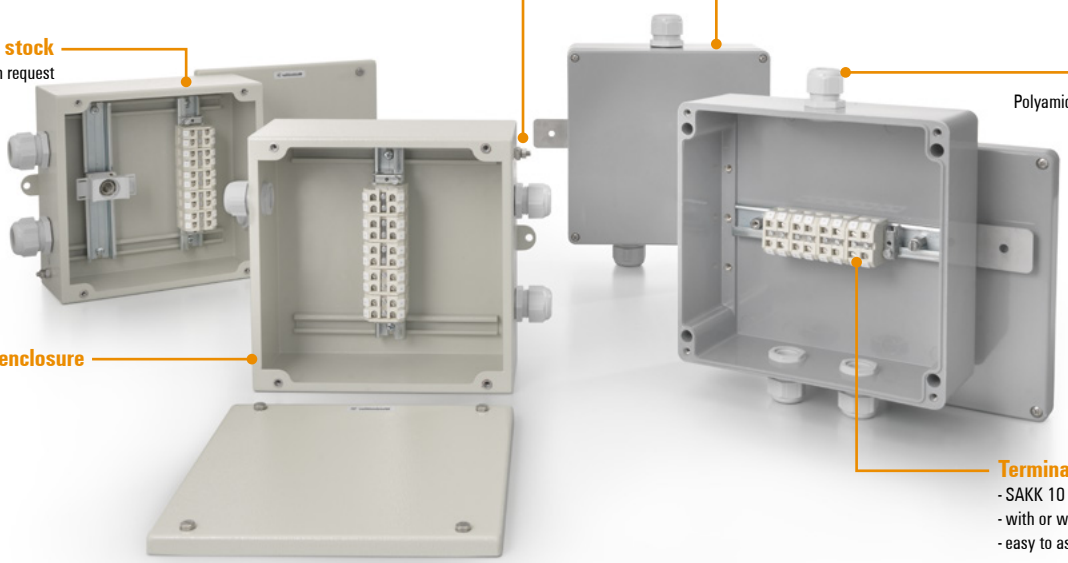
Your special advantages:

- Industrial enclosures to guarantee its perfect performance in 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)

8 variants from stock
Individual versions on request

Klippon® STB enclosure
Sheet steel



Klippon® POK enclosure
Glass fibre reinforced polyester

Cable glands
Polyamid VG M25 / M32 - K67

Terminals
- SAKK 10 ceramic terminals
- with or without fuse holders
- easy to assemble

Technical data

Pos.	Description	Enclosure	Integrity DIN 4102	Impact resistance	Ingress protection	Connectivity	Cable size	Part Number
1	KLIPPON POK 252512 M25 E60	Glass fibre reinforced Polyester	E60	IK 8 (5 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000052518
2	KLIPPON POK 252512 FH M25 E60	Glass fibre reinforced Polyester	E60	IK 8 (5 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000052636
3	KLIPPON STB 4 MS M25 E90	Sheet steel	E90	IK 9 (10 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000052519
4	KLIPPON STB 4 MS FH M25 E90	Sheet steel	E90	IK 9 (10 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000052592
5	KLIPPON POK 252512 M32 E60	Glass fibre reinforced Polyester	E60	IK 8 (5 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000054730
6	KLIPPON POK 252512 FH M32 E60	Glass fibre reinforced Polyester	E60	IK 8 (5 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000054731
7	KLIPPON STB 4 MS M32 E90	Sheet steel	E90	IK 9 (10 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000054772
8	KLIPPON STB 4 MS FH M32 E90	Sheet steel	E90	IK 9 (10 Joule)	IP 66	SAKK ceramic	1,5 - 10 mm²	8000054773

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

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