

ESIPHA EK480 –

Product features of the standard and base units

The EK480 fuse box is specially designed for poles. We offer it in two models: ready-to-install as a standard variant or the base device for custom configuration. Both meet the requirements for high-quality electronics in lighting systems. Our patented design includes replaceable overvoltage protection elements. These protect against surge voltages and extend the life of the electronics.

Continuous development ensures that the EK480 fulfils the latest standards. In this way, we offer a reliable solution that combines functionality and safety.

Product features of the standard and base units

▲ Easy to install

- Spring clamp technology (plug-in technology; fast, tool-free & reliable installation of the cores to the light)
- For light connection – maintenance-free
- Optimum installation due to large terminal compartment
- Can be opened without tools – simple piercing of the sealing skin with the cable

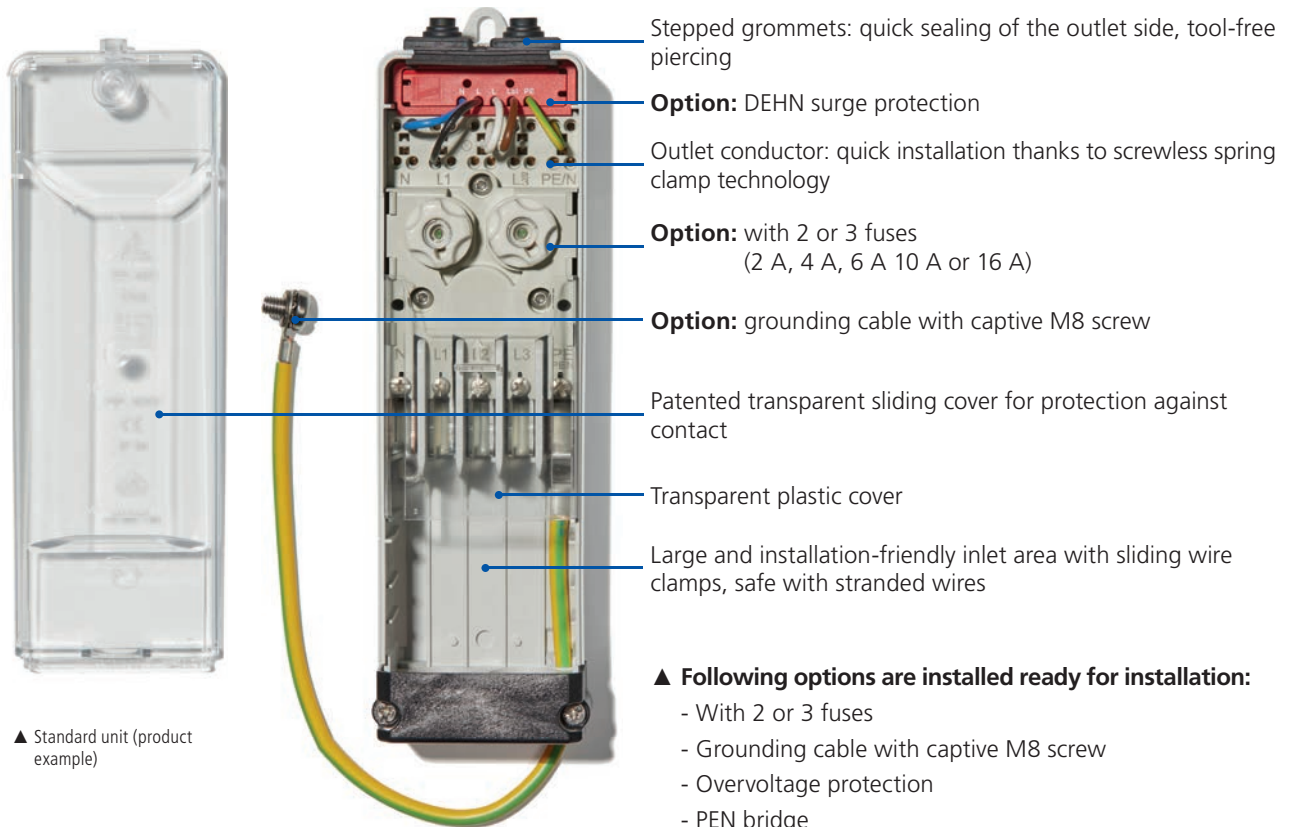
▲ Stability and reliability

- Thanks to the sliding cover; captive, transparent protection against contact – for simplified wiring check
- Sturdy housing made of impact-resistant, solid- coloured polyamide

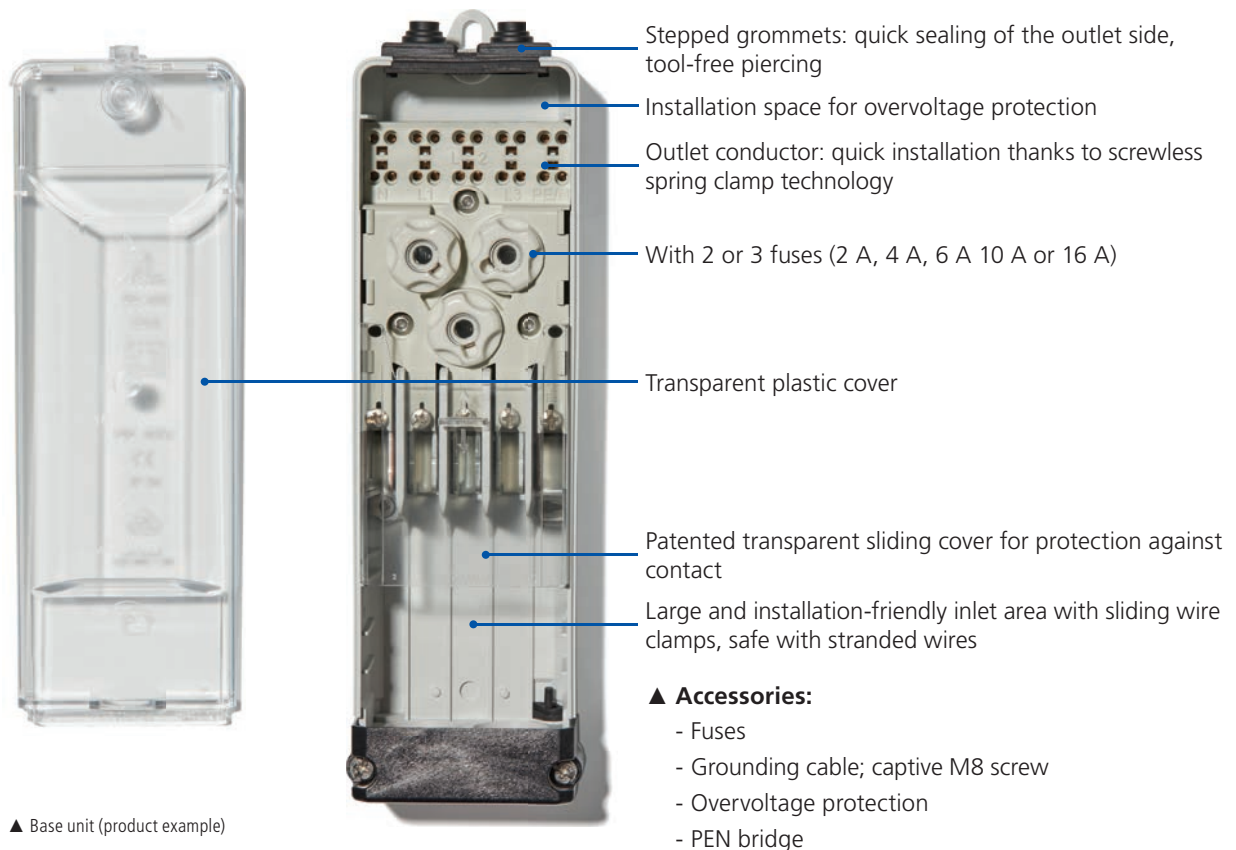
General technical data

Designation	ESIPHA EK480 fuse box
Dimensions	Housing length: 277 mm, fastening length: 265 mm, housing width: 80 mm, installation depth: 66 mm
Inner pole diameter from	89 mm
Housing material	Polyamide
Housing colour	RAL 7035 light grey
Design	DIN 43628, VDE 0660 Part 505
Protection rating	IP 54 according to DIN VDE 0470
Protection class	II
Cover	Transparent or grey
Clamping technology	Sliding/spring clamp technology
Cable connection	1 – 3 cables (5 x 6 – 16 mm ²) TN-S or TN-C system
Strain relief	For 1 – 3 cables (diameter 16 – 24 mm)
Outlet terminals	1 – 2 cables / 5 x 1 – 2.5 mm ²
Fuses	1 – 3 fuses D01/E14 – max. 16 A/400 V
Network configurations	TT / TNC / TNS

Design of standard units – Supplied ready for installation

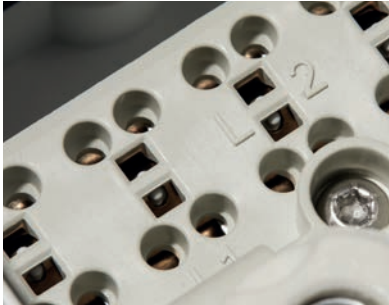


Design of base units – Empty units, for custom configuration

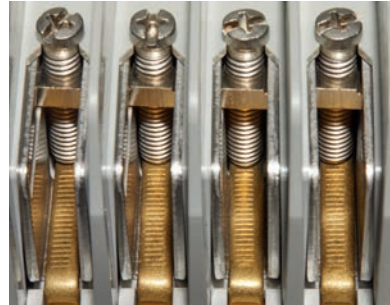


Housing functions in detail

Our engineers have developed convincing solutions for functions. Thanks to many years of experience, our products are easy to install and flexible in use.



▲ Spring clamp technology



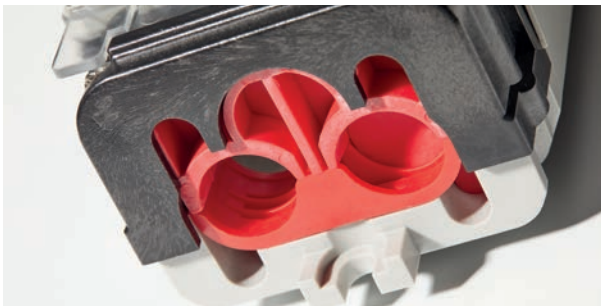
▲ Sliding wire clamps



▲ Sliding cover

Inlet and outlet flexibility

With our various solutions, it is possible to feed 1 to 3 cables in and out, of course protected against dust and splash water.



▲ Standard strain relief for 1 – 3 cables; cross-section from 7.5 – 19 mm



▲ Stepped grommets



▲ Practical example – ESIPHA EK480