Installation Instructions
Cable fuse box HSW 2520 with surge protection HSW 7010

Intended use
The cable fuse box HSW 2520 with HSW 7010 is intended to be used in suitable lighting poles.
The cable fuse box HSW 2520 with HSW 7010 is designed for the connection of max. 3 underground cables.
Any other use of this product requires the consultation with the manufacturer.

Safety instructions
When working on electrical systems, the valid regulations such as VDE 0100 must be observed. Installation may only be carried out by qualified personnel or instructed persons in a de-energized state.

Service
In the event of malfunctions or complaints regarding the product, please contact your sales representative or the manufacturer.

Technical data

Nominal voltage / -current	400 V / 16 A
Degree of protection	IP54
Protection class	II
Fuses	2 x D01 (E14) 16 A / 400 V
Measurements (L x W x H)	340 x 84 x 72 mm
Pole internal diameter	from Ø 89 mm
Door size	80 x 300 mm
Entry field for wire connection	up to 110 mm
Input connectors	max. 3 cables 5 x 6 - 16 mm²
Output connectors	L max. 2 x 2,5 mm² N max. 2 x 2,5 mm² PE max. 2(4) x 2,5 mm²
Surge protection HSW 7010 (Type 2+3)	
Nominal voltage (U_n)	2240-240 V_{AC}
Max. load current (IL)	10 A
Voltage protection range (UP)	1,5 kV
Short circuit current rating	10000 A
Defective device	Disconnection AC network cut-off
Protective function in case of defect	LED off
Connection	Max 2,5 mm²

Mounting in lighting poles
- Remove housing cover
- Remove bridge clamp
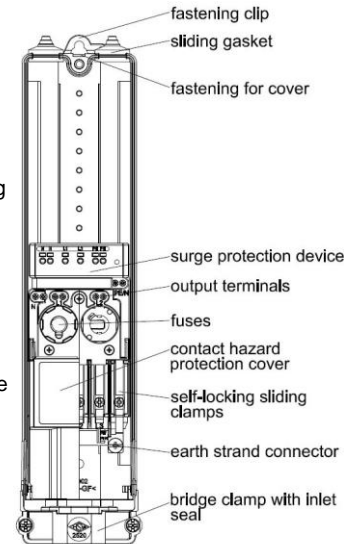- Insert the cable fuse box into open lighting pole and fasten it to the mounting rail
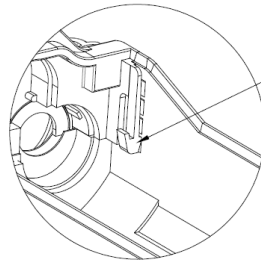
Bridge clamp strain relief can be snapped into the lower part of the housing for easier installation. For disassembly, the side lugs must be operated with a slot screwdriver

Adjust input seal
- **Important!** With one input cable, always use the existing opening of the input seal!
- Break out the inlet seal at the engraved points according to the number and diameter of the input cables

Connecting the input cable
- Strip the input cable and remove the filling material
- Insert the input cable so that the outer sheath extends into the connection compartment
- Snap on bridge clamp and screw tight
- Bending, shortening and stripping cable conductors to suit
- *Mount or remove the PE/N - N connection, if present, as required*
- Insert the cable cores into the U-profiles according to the terminal assignment and fasten with the self-locking sliding clamps (torque max. 2 Nm)
- Snap the contact hazard protection cover on

fastening clip
sliding gasket
fastening for cover
surge protection device
output terminals
fuses
contact hazard protection cover
self-locking sliding clamps
earth strand connector
bridge clamp with inlet seal

Connecting the output cable
- Cut off the nipple of the outlet seal to be used
- Slide outlet seal over output cable
- Strip output cable
- Insert the outlet seal with output cable into the slot of the cable fuse box
- Pull the output cable back a little so that the outgoing seal is in full contact with the cable
- Shortening and stripping cable conductors to suit (11 mm)
- The output terminals can be unlocked with a small slot screwdriver (blade width 2,5 mm). To do this, insert the screwdriver into the slot of the output terminal
- Connect the cores of the outgoing cable(s) to the output terminals according to the cable assignment
- Connect the cable cores to the output terminals of the insert (torque max. 0.8Nm) or to special components according to the cable assignment

Assembly
- Fit housing cover, snap the housing cover and screw it tight
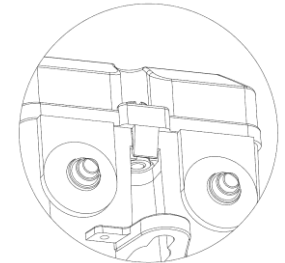
Special components
- When special components are used, the respective regulations of the devices used must be observed

Changing fuse inserts
- Remove housing cover
- Remove screw caps and change fuse insert
- **Attention!** Do not remove the contact hazard protection cover! It prevents from the accidental contact with live parts!

Functional check surge protection
- As voltage is applied, the built-in green LED lights up
- If the LED no longer lights up, the overvoltage protection is defective

Replacement surge protection device
- Loosen the screws of the outgoing terminals of the insert
- Remove the defective surge protection device
- Connect the new surge protection device to the output terminals of the insert (torque max. 0.8Nm)