



Installation Manual — Heating Element 3/6 kW

Version:2023.7.1

Table of Contents

1. Introduction	2
1.1. Legal provisions	2
1.2. Qualification of the installer	2
1.3. Symbols used	2
2. Product description	3
2.1. Scope of delivery	3
2.2. Prerequisites	3
3. Heizstab 3 kW / Heizstab 6 kW	4
4. Contact	6
5. Directories	7
5.1. List of illustrations	7

1. Introduction

1. Introduction

1.1. Legal provisions

The information provided in these documents is property of FENECON GmbH. Publication, in whole or in part, requires the written consent of FENECON GmbH.

Subject to changes and printing errors!

1.2. Qualification of the installer

A qualified installer is a person who has the following experience and training:

- Setting up, switching on, switching off, disconnecting, earthing, short-circuiting and repairing circuits and devices
- Standard maintenance and use of protective devices in accordance with current safety standards
- First aid/emergency care
- Current knowledge of local regulations, standards and guidelines

1.3. Symbols used

Before reading the manual, you should familiarize yourself with the different types of safety warnings. You should also familiarize yourself with the importance of the safety warnings.

	Danger
	Attention
	Important information

2. Product description

2.1. Scope of delivery

After you have received the delivery, check that all components have been included. Inspect the scope of delivery for damage. If anything is missing or damaged, please contact the supplier immediately. The following components are included in the delivery:

- Heizstab 3 kW / Heizstab 6 kW
- [Heckert Solar-Installationsanleitung — Heizstab](#)
- Montageanleitung für Heizstab 3 kW / Heizstab 6 kW von [Alpha Thermotec](#)



Die Installationsanleitungen für Heizstäbe sind bei den Heckert Solar Home- und Commercial-Systemen mit 2,8-kWh-Batteriemodulen identisch.

2.2. Prerequisites

Zur Integration des Heizstabs mit 3 kW bzw. 6 kW ist erforderlich:

- Heckert Solar Home- oder Commercial-System mit **drei** freien Relaiskontakten *oder*
- EMS TCP 8-Channel Relay Board with **three** free relay contacts (note: not included in the scope of delivery)



The heating element is designed for a tank of at least 160 liters.



Follow the manufacturer's instructions for assembling the heating element.



Heating elements with an output > 6 kW are available on request.

3. Heizstab 3 kW / Heizstab 6 kW

The heating element is designed for auxiliary heating of drinking water in closed or open, enameled containers.



Die folgenden technischen Daten dienen nur der Übersicht. Es ist die Originalanleitung des Herstellers zu beachten ([Alpha Thermotec Heizpatronen](#)).

Typenreihe	HP — 3,0
Versorgung	3-phasig ~ 230 V
Funktion	3-phasiger Heizstab, 0 oder 1 kW pro Phase ansteuerbar.
Einbaulage	waagrecht
Einbaumuffe	1,5 Zoll; max. 100 mm (zusätzlich sollten 150 mm Platz für Montage vor der Einbaumuffe freigehalten werden)
Anschlusskabel	mindestens 2,5 mm ² (Typ H05VV-F)
Einbautiefe Heizstab	39 cm

Table 1. Heizstab — 3 kW

Typenreihe	HP — 6,0
Versorgung	3-phasig ~ 230 V
Funktion	3-phasiger Heizstab, 0 oder 2 kW pro Phase ansteuerbar.
Einbaulage	waagrecht
Einbaumuffe	1,5 Zoll; max. 100 mm (zusätzlich sollten 150 mm Platz für Montage vor der Einbaumuffe freigehalten werden)
Anschlusskabel	mindestens 2,5 mm ² (Typ H05VV-F)
Einbautiefe Heizstab	56 cm

Table 2. Heizstab — 6 kW

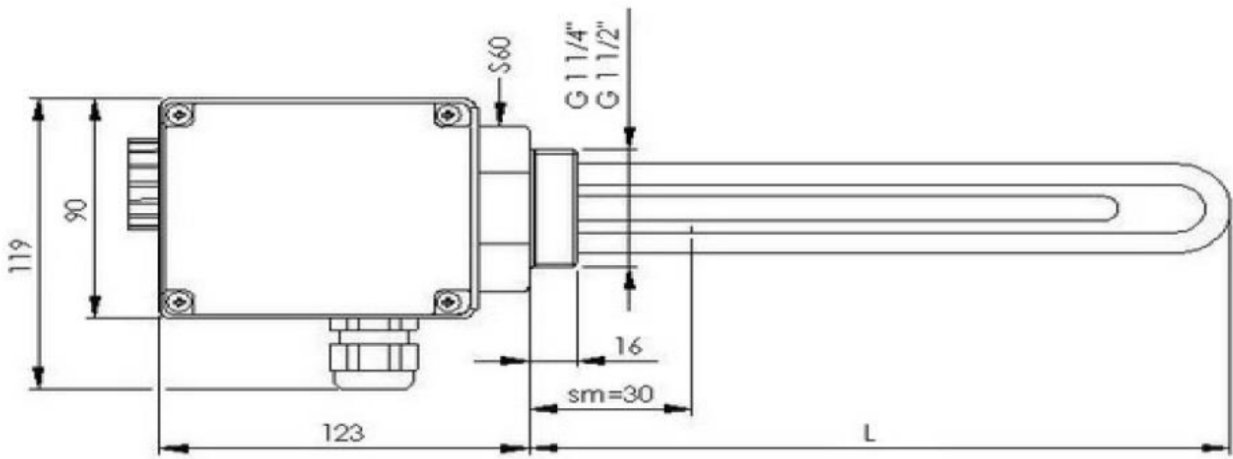


Figure 1. Abmessungen — Heizstab — 6 kW



Information on cabling with the EMS TCP 8-Channel Relay Board or Heckert Solar system can be

found in the corresponding instructions for the respective products.

4. Contact

4. Contact

For support, please contact:

Symphon-E Service

Telephone service: +49 (0) 371 45 85 68 - 100

E-mail service: symphon-e@heckert-solar.com

5. Directories

5.1. List of illustrations

[Figure 1.](#) Abmessungen — Heizstab — 6 kW