

TVi Interface Module

Operating instructions 300905828_002_C0

Part No.

410300V0902

410300V0903

410300V0904

410300V0905

410300V0906

410300V0907

410300V0908

410300V0909

410300V0910

410300V0911



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Product warranty and limit of liability are dealt with in our standard terms and conditions of sale or negotiated contract under which this document is supplied.

You must use this product as described in this manual. Read the manual before you install, operate, or maintain the product.

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Safety and compliance

1 Safety and compliance

1.1 Definition of Warnings and Cautions



NOTICE:

For safe operation from the start, read these instructions carefully before you install or commission the equipment.

Read all the safety instructions in this section and the rest of this manual carefully and make sure that you obey these instructions. The equipment must only be operated and maintained by trained personnel in the proper condition and as described in this instruction manual.

Obey local and state requirements and regulations. If you have any questions about safety, operation or maintenance of the device, please contact our nearest subsidiary.

Important safety information is highlighted as warning and caution instructions. Obey these instructions.



WARNING:

If you do not obey a warning, there is a risk of injury or death. Different symbols are used according to the type of hazard.



CAUTION:

If you do not obey a caution, there is a risk of minor injury, damage to equipment, related equipment or process.



NOTICE:

Information about properties or instructions for an action which, if ignored, will cause damage to the pump or the system.

We reserve the right to change the design and the stated data. The illustrations are not binding.

Keep the instructions for future use.

Safety and compliance

1.2 Safety symbols

The safety symbols on the products shows the areas where care and attention is necessary.

The safety symbols that follow are used on the product or in the product documentation.



Warning/Caution
An appropriate safety instruction must be followed or caution to a potential hazard exists.



Warning - Read the manual

2 Introduction

This manual describes the steps to install the interface modules.

2.1 Supplied equipment

- Interface module
- Sealing plate (only valid for IP 54 M12 variants)

2.2 Accessories

- 410300V0920 : Sealing box RS232 (for IP 54 variant)
- 410300V0921 : Sealing box RS485 (for IP 54 variant)

Installation

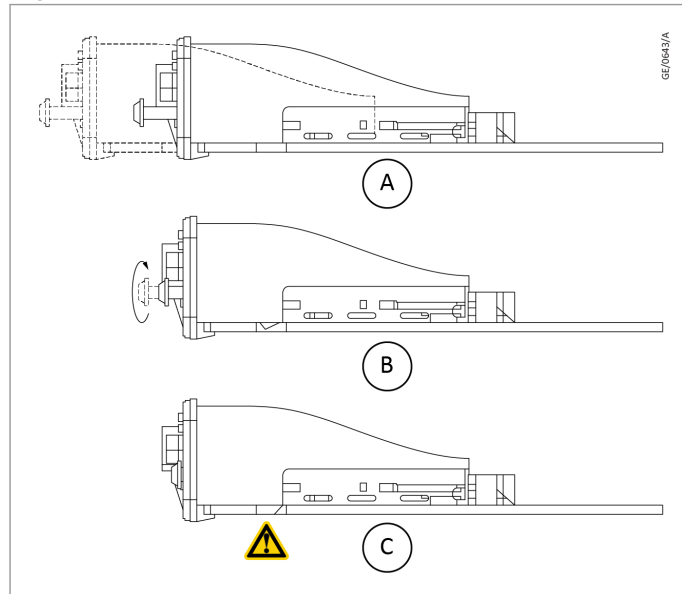
3 Installation

Note:

The figures shown in this manual are examples. The instructions are valid for multiple models.

Make sure that the affixing screws are screwed out completely before you insert the module. Refer to [Figure: Installation](#).

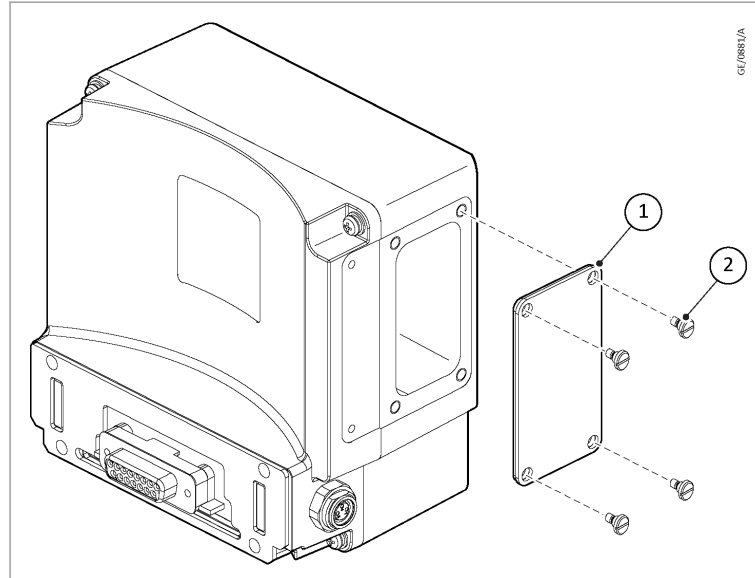
Figure 1. Installation



3.1 Insert the module

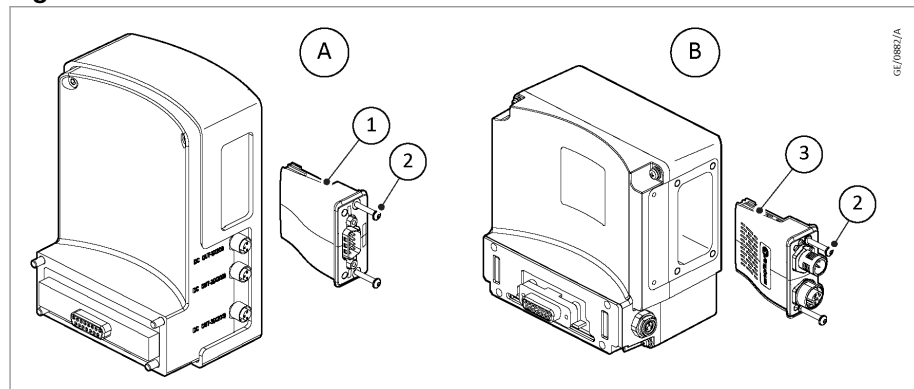
1. Remove the screws of the plate. Keep the screws to fix the sealing plate for the IP54 variants.

Figure 2. Remove the sealing plate



1. Sealing plate blank
 2. Slotted screw
2. Insert the module into the slot. Press it with its plain side on the electronic board. This will make sure that the module fits properly in the guide rails. Refer to [Figure: Installation](#).

Figure 3. Insert the module

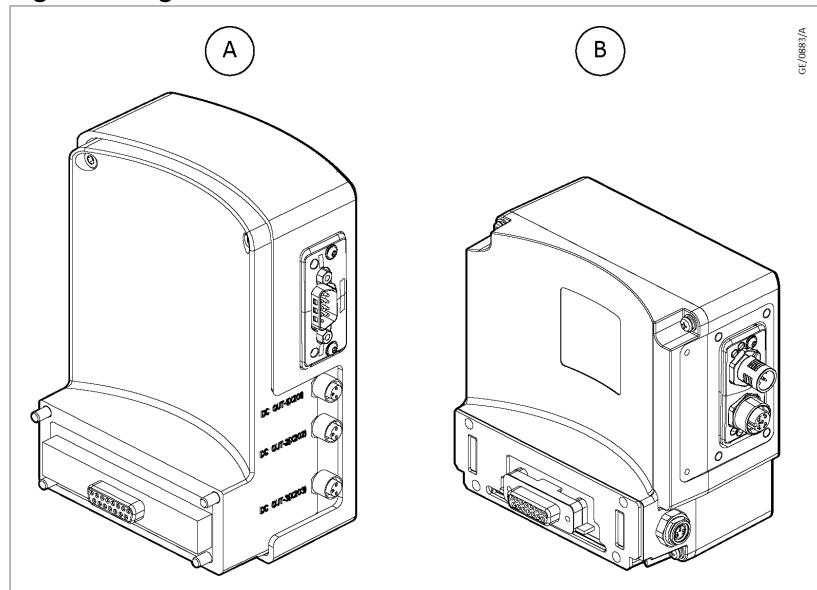


- A. Extension box
 - B. Frontend AB IP54
1. Interface module
 2. Screw Torx 8
 3. M12 interface module

Installation

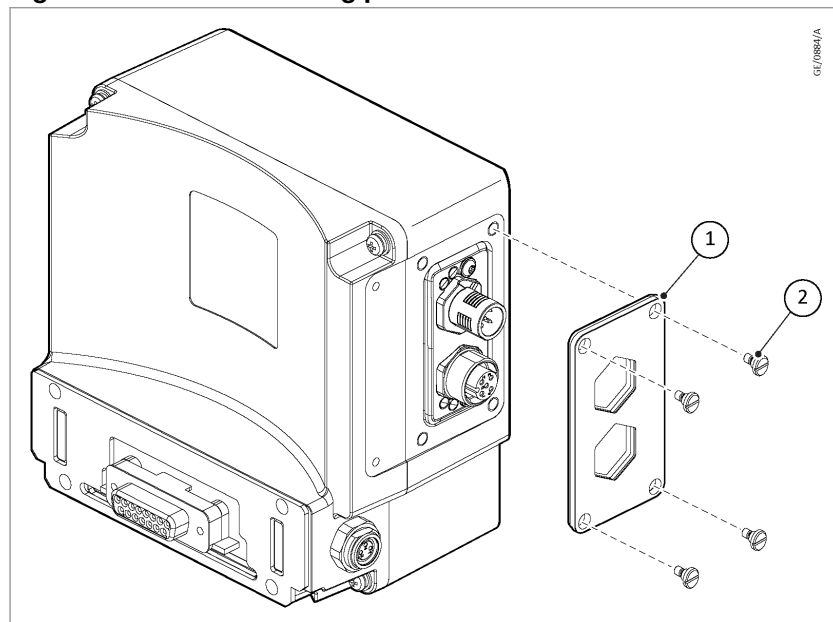
3. Tighten the fixing screws (Torx 8) completely to lock the module in the slot.

Figure 4. Tighten the module screws



- A. Extension box with interface module
 - B. Frontend AB IP54 with interface module
4. Put the sealing plate on the module and tighten the screws (kept in step 1) for the IP 54 variant to block.

Figure 5. Install the sealing plate



1. Sealing plate M12 module
2. Slotted screws

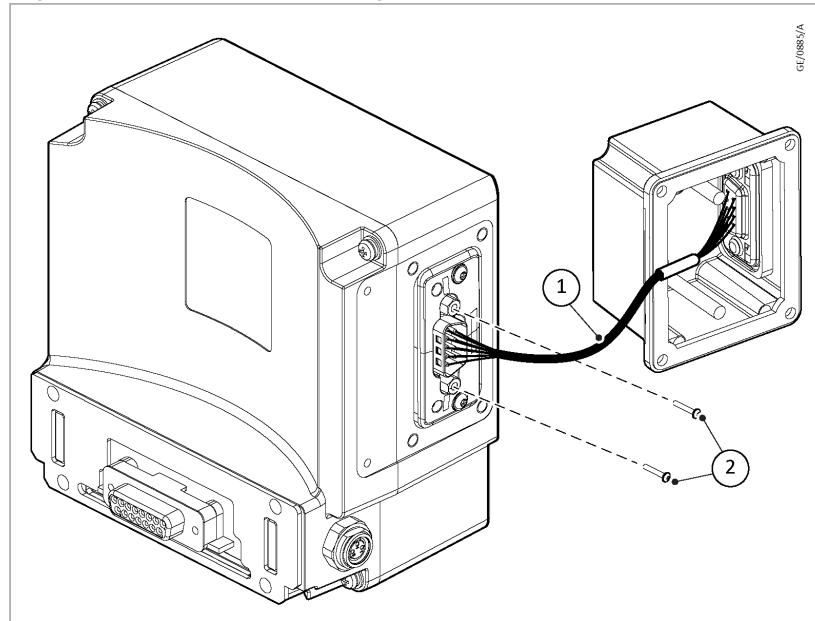
3.2 Install the sealing box (accessory)

Note:

Sealing box is installed only for the RS232 and RS485 IP54 variants.

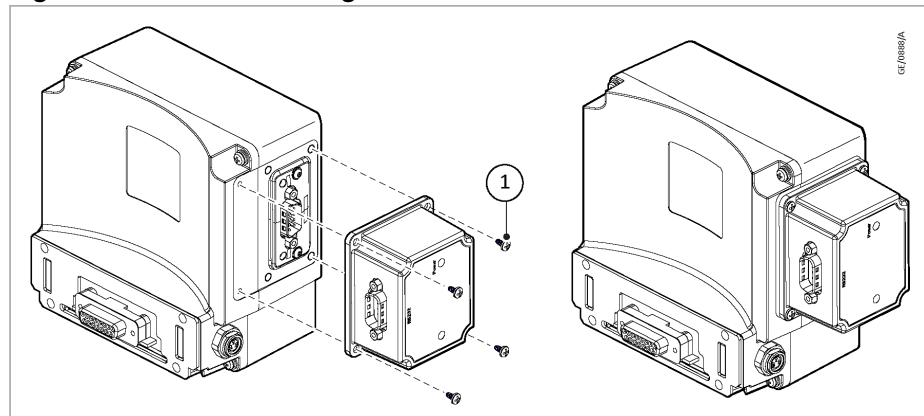
1. For module installation refer to [Insert the module](#) on page 9.
2. Plug in the connector of the sealing box in the module.
3. Tighten the connector to the module with screws.

Figure 6. Connect the sealing box to connector



1. Connector
2. Interface screws
4. Close the lid and tighten the screws of the sealing box to block.

Figure 7. Install the sealing box



1. Fixing screws



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