

## 33.6 Spare parts and accessories

### 33.6.1 Spare parts

The following spare parts are available for the HT 6:

Table 33-13 Spare parts for HT 6

Designation	Order number	Remarks
Front with keyboard	6FC5448-0AA10-0AA0	–
EMERGENCY STOP and rotary override switch	6FC5447-0AA10-0AA0	Kit contains both spare parts



#### Warning

- Spare parts must always be replaced by properly trained personnel!
- Unintentional machine movements are dangerous!  
We therefore strongly recommend a function test after spare part replacement.

#### Replacing the front with keyboard

Instructions on how to replace spare parts can be found in Subsection 33.6.2 (replacement of labeling strips).

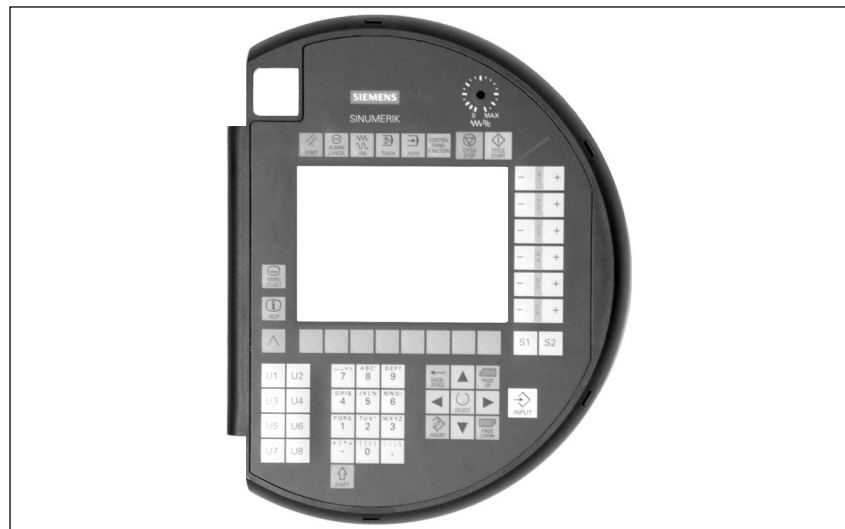


Fig. 33-12 Front with keyboard

#### Note

The inner protective film on the front face must be pulled off before the new front with keyboard is installed.

## Removing the EMERGENCY STOP and override rotary switches

### Caution

- Make sure your workstation complies with anti-static (ESD) guidelines!
- Wear anti-static overalls!
- Protect the display and protective glass against scratches!

1. Remove the front with keyboard (see Subsection 33.6.2 [Changing the slide-in labels], points 1. ..., 3.).
2. Remove the base of the housing by unscrewing the 8 housing screws and open it carefully. One of these screws is located under the connecting cable cover (see picture below). This cover (secured with 2 screws) must therefore be removed beforehand.

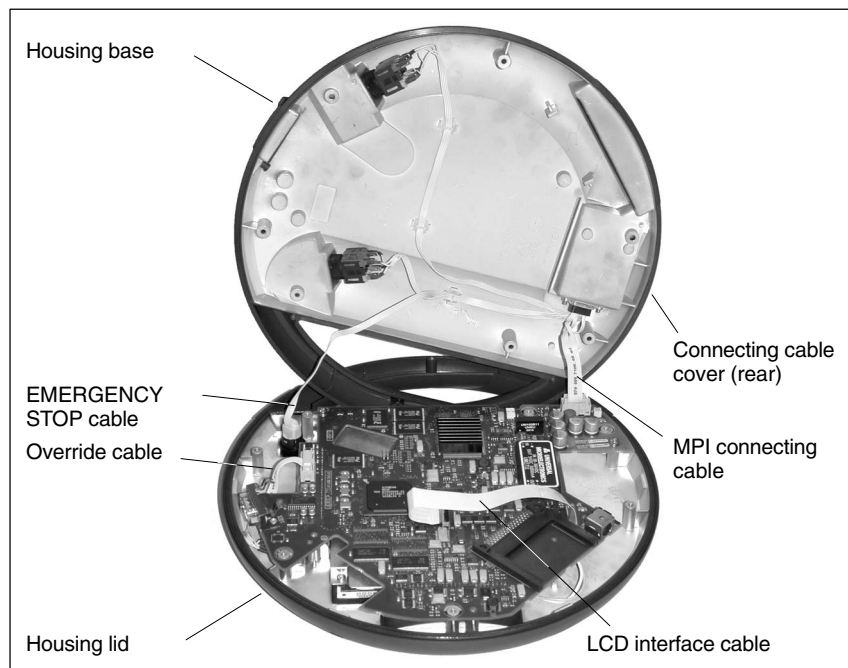


Fig. 33-13 HT 6 after housing has been unscrewed and opened

3. Undo the connectors on the two cables which are still connecting the housing parts (EMERGENCY STOP and MPI connecting cable) and put the housing base to one side.
4. Remove the EMERGENCY STOP switch by unscrewing the threaded ring, either manually or with a wrench (supplied by Rafi, Order No. 5.58002.019) and pull the switch out downwards.

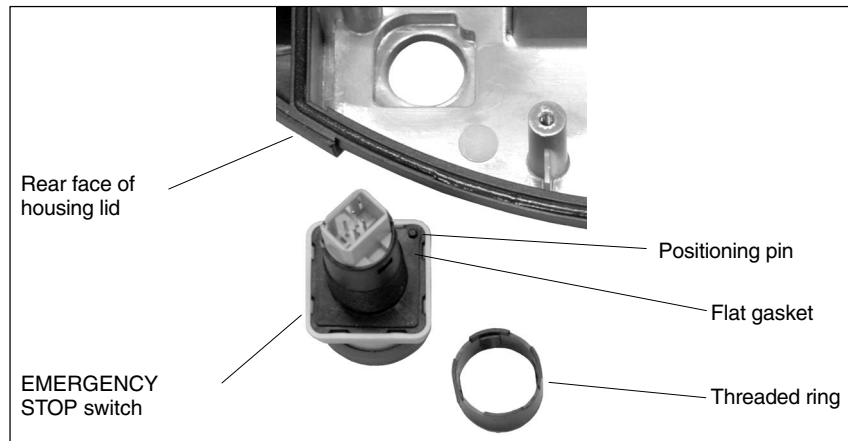


Fig. 33-14 Dismantled EMERGENCY STOP switch

- Remove the override switch, backlight inverter connector and LCD ribbon cable from the board (pull the latter carefully out sideways when the clamping frame has been removed; see Fig. 33-16).

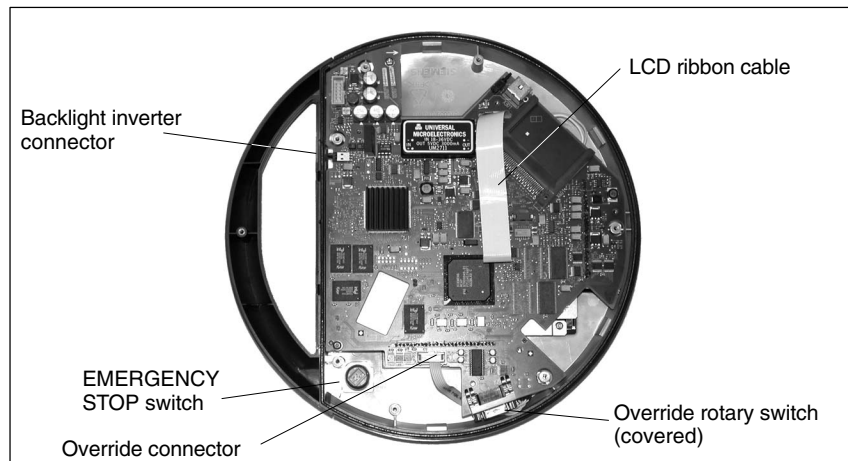


Fig. 33-15 Rear view of housing lid after housing base has been removed

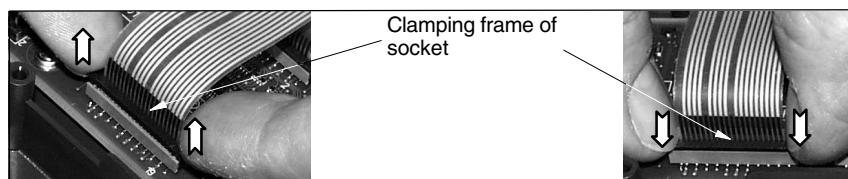


Fig. 33-16 Removal (left) and attachment (right) of a membrane connector (example shows OP 012)

- Undo the 8 fixing screws in the board.
- Pull the board carefully upwards off the housing lid and turn the lid over.  
**Caution:** Protect the plug connectors on the rear against damage!
- Unscrew the nut securing the rotary override switch (12 mm A/F) and pull the switch out downwards.

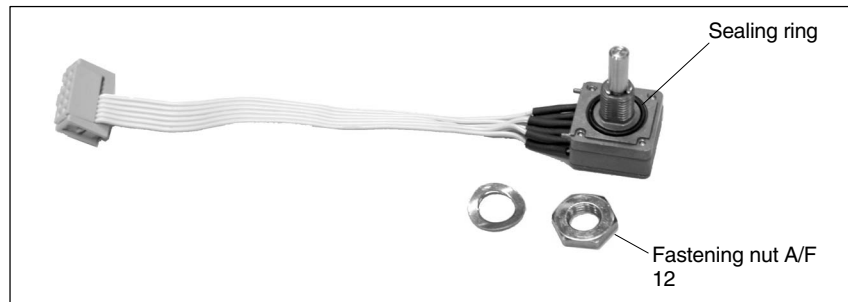


Fig. 33-17 Dismantled rotary override switch

### Installing the EMERGENCY STOP and rotary override switches

Install the unit by following the same procedure in the reverse order, but note the following points:

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#### Note

##### EMERGENCY STOP switch

- Hole in flat gasket must be centered over the positioning pin.
- Positioning pin must latch into hole in housing.
- Torque for threaded ring: 0.8 Nm.

##### Rotary override switch:

- Make sure that the sealing ring is seated correctly.
- Cable must point towards the edge of the housing and be folded to keep it inside the housing seal.
- Torque for fastening nut: 0.7 Nm.

##### Board:

- Before the HT 6 is installed, the backlight inverter cable must be inserted and the ribbon cable threaded through the slot in the board.
- Place the board in position vertically, making sure that you do not bend the plug connectors.
- Tightening the board fastening screws (torque: 0.8 Nm).
- Plug the cable in again (insert the ribbon cable carefully as far as it will go, then fix the clamping frame in position)

##### Front with keyboard:

- Install as described in Subsection 33.6.2 (procedure for changing the slide-in labels, para. 6).
- Push override knob (in zero position) onto axis and tighten screws.
- Fit cover to the override knob.

##### Housing:

- Place base on lide, making sure that seal is correctly seated.
  - Screw together with a torque of 0.8 Nm
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### 33.6.2 Accessories

The following accessories are available for the HT 6:

Table 33-14 Accessories for HT 6

Designation	Order number	Remarks
Distributor incl. short-circuit connector	6FX2 006-1BH01	For 4-core enabling
Connecting cable for distributor 6FX2006-1BC01	6FX2 002-1AA83-1□□0	For 3-core enabling, length max. 40 m
Connecting cable for distributor 6FX2006-1BH01	6FX2 002-1AA23-1□□0	For 4-core enabling, length max. 40 m
Labeling strips	— (included in HT 6 scope of supply)	For user labeling (see above)

#### Labeling strips

In the case of the HT 6, the traverse and function keys U1, ..., U8 (see Fig. 33-2) can be labeled by the customer as required.

#### Changing the slide-in labels

The labeling strips can be replaced after the HT 6 front with keyboard has been disassembled (Fig. 33-18, right).

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#### Note

The deinstalled front with keyboard must be totally protected from soiling, otherwise the readability of the display and key labels can be permanently affected.

If the inner face becomes dirty, any dirt must be carefully removed using an Isopropanol cleansing agent or a cellulose cloth soaked in Isopropanol.

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## 33.6 Spare parts and accessories

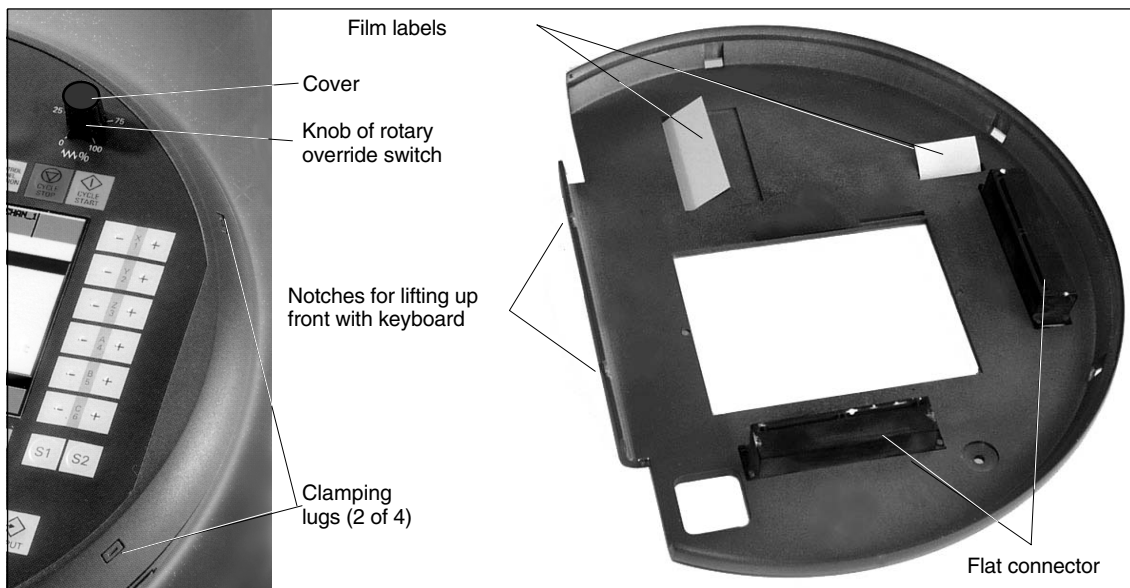


Fig. 33-18 Changing the slide-in labels

**Procedure**

1. Deinstall knob for rotary override switch in the zero position (Fig. 33-18, left):
  - Lever off the cover plate with a flat-ended tool (screwdriver),
  - Release expansion screw with screwdriver,
  - Pull knob off the spindle.
2. Depress the four clamping lugs and lever off the front with keyboard by inserting e.g. a screwdriver in the grooves in the handhold (Fig. 33-18, right).
3. Pull out flat connector carefully vertically.
4. Turn front with keyboard round and pull out labeling films (if fitted).
5. Push in the new labeling strips.
6. When replacing the front with keyboard, plug in the flat connector vertically taking care not to bend the protruding pins in the base and latch the cover in place applying gentle pressure.
7. Install the override button following the previous steps in reverse order:
  - Replace with pointer at zero.
  - Clamp with expanding screw.
  - Put on the cover.

**Labeling the slide-in labels**

Slide-in labels can also be made from ordinary paper (80 g/m<sup>2</sup>).

The dimensions (in mm) can be obtained from Fig. 33-19. The crosses indicate the center of the text or symbol.

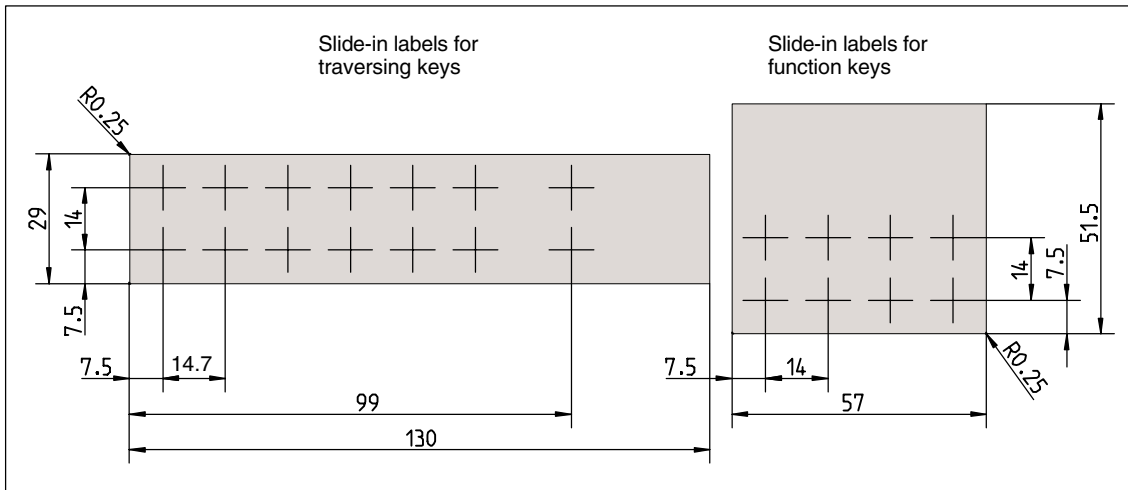


Fig. 33-19 Dimensional drawing for labeling the slide-in labels