2.2.3 Arrangement of the modules for the function "Change During Operation" and / or "Redundancy"

Arrangement rules

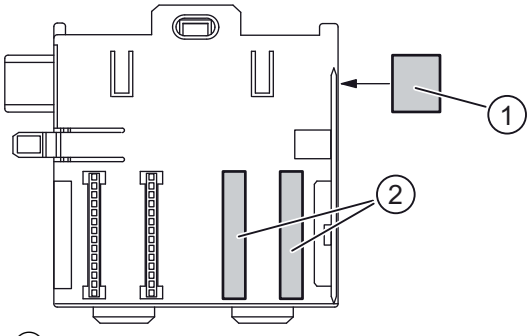
The following rules apply to the arrangement of the modules in an ET 200PA SMART:

- An ET 200PA SMART must be mounted on one rack only (mounting rail). It is not permitted to use interface modules to connect to other racks.
- You may insert a maximum of 12 assemblies to the right of the IM 650.
- You must plug the IM 650 and all modules into active bus modules.

Note

The active bus modules 6ES7650 8PA00-xAA0 and 6ES7650 8PB00-xAA0 have yellow markings for easier identification. The purpose of these markings is to indicate that only IM 650 interface modules may be plugged into these bus modules.

- Use the mounting rails for "Module replacement in runtime" (only these allow mounting of the active bus modules).
- Close unused slots with the backplane bus cover. Close the last bus module with the bus module cover. The bus module cover is included with the bus module BM PS/IM or BM IM/IM. The backplane bus cover has to be ordered.



① Bus module cover
② Backplane bus cover

Figure 2-3 Example: Bus module 2 x 40 (6ES7 650 8PC00-0AA0)

- To use the ET 200PA SMART in the intrinsically safe area, use the Ex partition - preferably between the modules in the intrinsically safe area and the modules in the non-intrinsically safe area.

Restrictions

Use of the high-accuracy time stamp (1 ms accuracy) is only possible with 8 modules. In the ET 200PA SMART, you may use a maximum of 8 input modules after the IM 650 interface module for this.