



Key coding

Introduction

There are basically two types of modules in the racks of an FSC cabinet:

- Central Part modules (see section 4 of this manual), and
 - I/O modules (see section 5 and section 6 of this manual).
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Central Part modules

The Central Part modules must be placed in the Central Part rack(s), at the locations calculated by the FSC user station software. Only then will the Diagnostic and Battery Module (DBM, 10006/1/1 or 10006/2/.) and the diagnostic program indicate faulty module positions correctly.

I/O modules

The locations of the I/O modules in the I/O rack(s) are not predetermined by the FSC user station software. They are user-defined using the 'Configure FSC system' option of the FSC user station software. To ensure proper interfacing with the field devices (wiring, etc.) and to prevent damage to equipment, the I/O modules **must** be placed at the I/O rack positions as defined in the FSC user station software. To prevent insertion of an incorrect module type on a certain I/O position, the I/O rack connector and the module connector are key-coded with coding pins.

Note:

If the coding pins of the module are bent, they must be removed. If you try to bend the pins back to their correct position, they will break, and the connector will then need to be replaced.

Coding system

There are two types of FSC modules:

- Plug-and-play modules (type number 10xxx/2/x), and
- Non plug-and-play modules (type number 10xxx/1/x) (i.e. modules with I/O wiring on the rack connectors).

FSC I/O modules are coded using coding system type 5159, make SOURIAU. The items used for key coding the modules depend on the I/O module type. Table 1 and Table 2 below list the items used for key coding plug-and-play modules and non plug-and-play modules.



Key coding

Plug-and-play modules

Table 3 below shows the key coding of plug-and-play FSC modules (with type number 10xxx/2/x).

Table 3 Key coding of plug-and-play I/O modules

Module type	Module code		Module type	Rack code	
	Holes			Large pins	
10100/2/1	A5	A7	10100/2/1	A5	A7
10101/2/1	A5	C5	10101/2/1	A5	C5
10101/2/2	A5	C9	10101/2/2	A5	C9
10101/2/3	A5	C13	10101/2/3	A5	C13
10102/2/1	A5	C17	10102/2/1	A5	C17
10104/2/1	A5	C21	10104/2/1	A5	C21
10105/2/1	A5	C25	10105/2/1	A5	C25
10201/2/1	A9	C9	10201/2/1	A9	C9
10205/2/1	A9	C5	10205/2/1	A9	C5
10206/2/1	A9	C13	10206/2/1	A9	C13
10208/2/1	A9	C17	10208/2/1	A9	C17
10209/2/1	A9	C21	10209/2/1	A9	C21
10213/2/2	A9	C25	10213/2/2	A9	C25
10213/2/3	A9	C29	10213/2/3	A9	C29
10215/2/1	A13	C5	10215/2/1	A13	C5
10216/2/1	A13	C9	10216/2/1	A13	C9
10216/2/3	A13	C13	10216/2/3	A13	C13
10302/2/1	A5	A9	10302/2/1	A5	A9
10310/2/1	A5	A11	10310/2/1	A5	A11
10311/2/1	A5	A13	10311/2/1	A5	A13