



Flexi Classic : now with coding

DIV02 Industrial Safety Systems

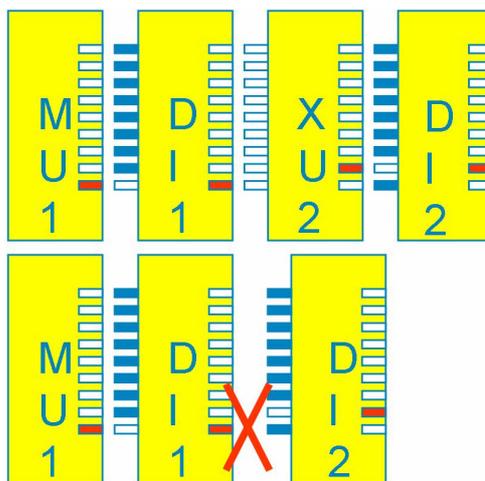
Necessary product change Flexi Classic as of June 15th

In order to obtain better protection against unintentional manipulation, we are currently implementing a modification on the Flexi Classic portfolio.

I Principle

These modifications apply to the complete product range. For more clarity in this document, we will use the name of standard modules (MU, XU, 8DI), but the same changes are applied to Muting modules (MM, XM, MDI).

The goal is to prevent an 8DI module being inadvertently connected to the wrong subsystem and therefore produce a wrong Input/Output configuration. For example, in a complete system including one MU, one XU and 8DI modules attached to the XU, it will not be possible to take the 8DI module attached to the XU and plug it into the MU module.



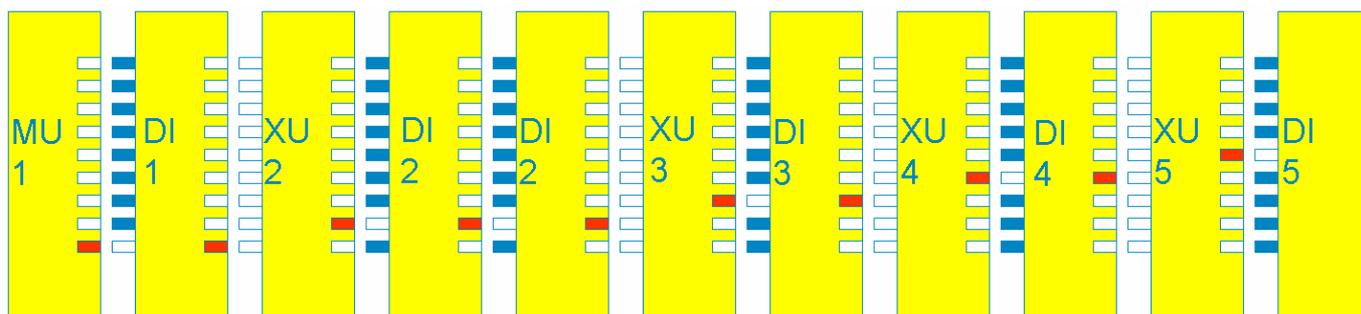
II Changes in details

The way of doing this is to mechanically code the FlexBus connector. We have created 6 different codings, assuming 6 is the maximum number of subsystems including 8DI modules in a 13 module configuration.

The MU modules will only accept XU and 8DI modules having the first code.

The XU modules can fit onto any module, and can be set up to accept the correct code from 8DI.

The 8DI modules are mechanically coded on both sides.



III Names and references description

The references and names for MU and XU will not change neither the article number.

The XU devices will have a universal male connector, the female one has to be set up by the customer himself. More on that later.

The 8DI having the 1st code will not have any change in name and reference.

The other 8DI, having code 2 to 6, will have new references, and will include code information in their name, e.g. UE410-8DI3C6 for the version having the sixth code.

Screw terminals		Spring terminals	
6.036.281	UE410-8DI3C2	6.036.286	UE410-8DI4C2
6.036.282	UE410-8DI3C3	6.036.287	UE410-8DI4C3
6.036.283	UE410-8DI3C4	6.036.288	UE410-8DI4C4
6.036.284	UE410-8DI3C5	6.036.289	UE410-8DI4C5
6.036.285	UE410-8DI3C6	6.036.290	UE410-8DI4C6
6.036.291	UE410-MDI3C2	6.036.294	UE410-MDI4C2
6.036.292	UE410-MDI3C3	6.036.295	UE410-MDI4C3
6.036.293	UE410-MDI3C4	6.036.296	UE410-MDI4C4

IV What are the changes for the customer?

1 Engineering / software side

Customers who make their applications without help from the Flexi Classic Configurator will have to manually create their own bill of material. They will have to choose the right coding for the subsystem. Code number equals subsystem number. The Flexi Classic Configurator will be modified in order to give automatically the coding information and create the correct BOM.

2 Installation / hardware side

The customer will have to assemble the system according to the configuration design, and for doing so, will have to set up the XU. The XU's are delivered with a red coding cap placed at the last position on the female connector, which results in no 8DI module being usable straight out of the box. The customer has to place this cap to the correct position according to the system design. On the picture below you can see the red cap on XU module as delivered, and code markings 2-6 :



V What are the changes for Sick and their status?

- The short operating instructions have to be modified to explain the changes
 - o Status: both German and English versions are made (see attachments).
- The complete operating instruction has to be modified too, to give additional information.
 - o Status: work in progress, release end of June.
- The Flexi Classic Configurator will be modified.
 - o Status: work in progress. The new version will be released end of June.

VI Change of production.

Products will be available as of June 15th.