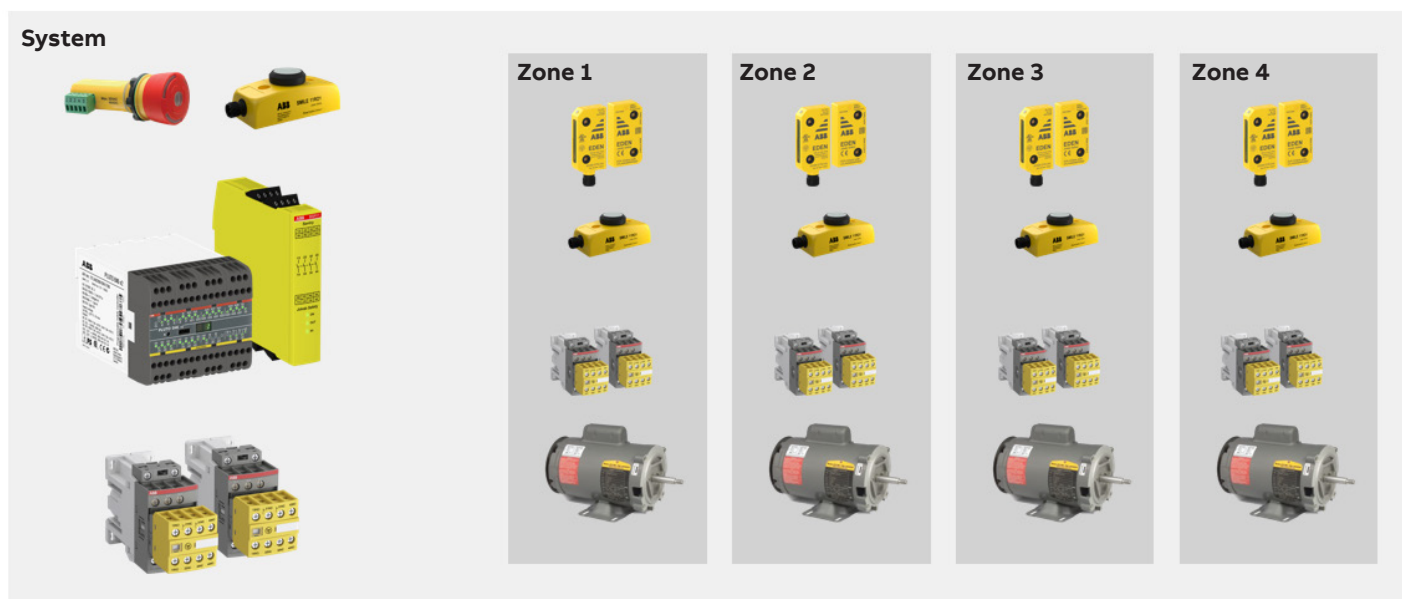


Pluto fail-safe IQs

Using the IQ-terminals of Pluto in a safety function



IQ-terminals

The IQ-terminals of Pluto is a clever ABB-solution that allows a non-safe output to share the same terminal as a safe input.

The safe input is used to monitor the non-safe output, which increases the number of possible safe outputs of Pluto.

Application example

This application example demonstrates in a detailed way how to use the IQ-terminals in a safety function, using the products in the illustration above in a safety solution controlling four different motors with a local reset of each zone.

By using Eden and Smile adapted for local reset in the zones, several Pluto I/Os can be saved making the solution very compact.

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Content of the example

In the link below you will find a zip-file containing:

- Safety project reports for FSDT and SISTEMA
- Complete projects for FSDT and SISTEMA
- Schematics from EPLAN
- Pluto project and a PDF-printout
- Custom block SafeIQ for Pluto Manager

Download the application example (zip)

[2TLC010095L0201](https://www.abb.com/2TLC010095L0201)

Other useful links

[Pluto web page](#)
[Eden web page](#)

[FSDT web page](#)
[SISTEMA web page](#)

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