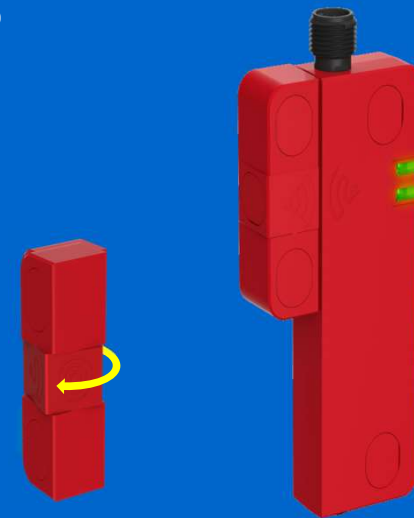# XCSR RFID contactless safety switch

- ➤ Preventa XCSR RFID contactless safety switch
- ➤ XCSRC single & series models
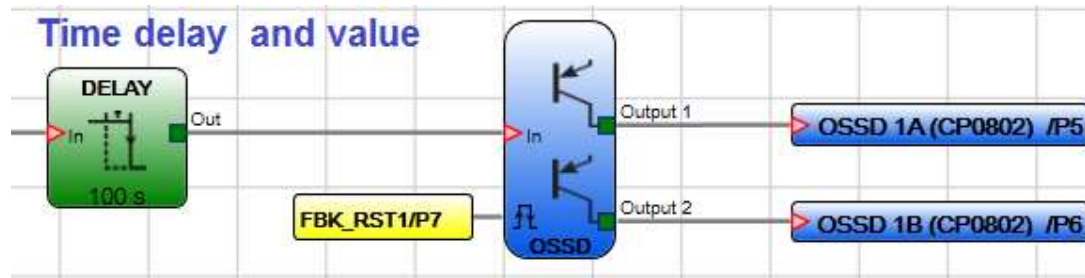- ➤ XPSUAT*3A3A* or XPSMCM solutions for stop category 1 (ISO 13850 standard)

Simply easy!™

Telemecanique
Sensors

XCSR RFID contactless safety switch

- 2019 current XPS units able to provide 2 time-delayed outputs
  - **XPSUAT*3A3AC**, XCSRC single or serie (daisy-chain) model use
  - **XPSMCM** controller, configuration by SoSafe config. software. XCSRC single model use
    - How to time delay outputs in XPSMCM configuration

- Reason of the time-delay need
  - Controlled stop or stop of **category 1** according to the ISO 13850 standard
  - Stop of **category 1** = controlled stop at the power rate of the actuators concerned, then power disconnection when standstill is reached.
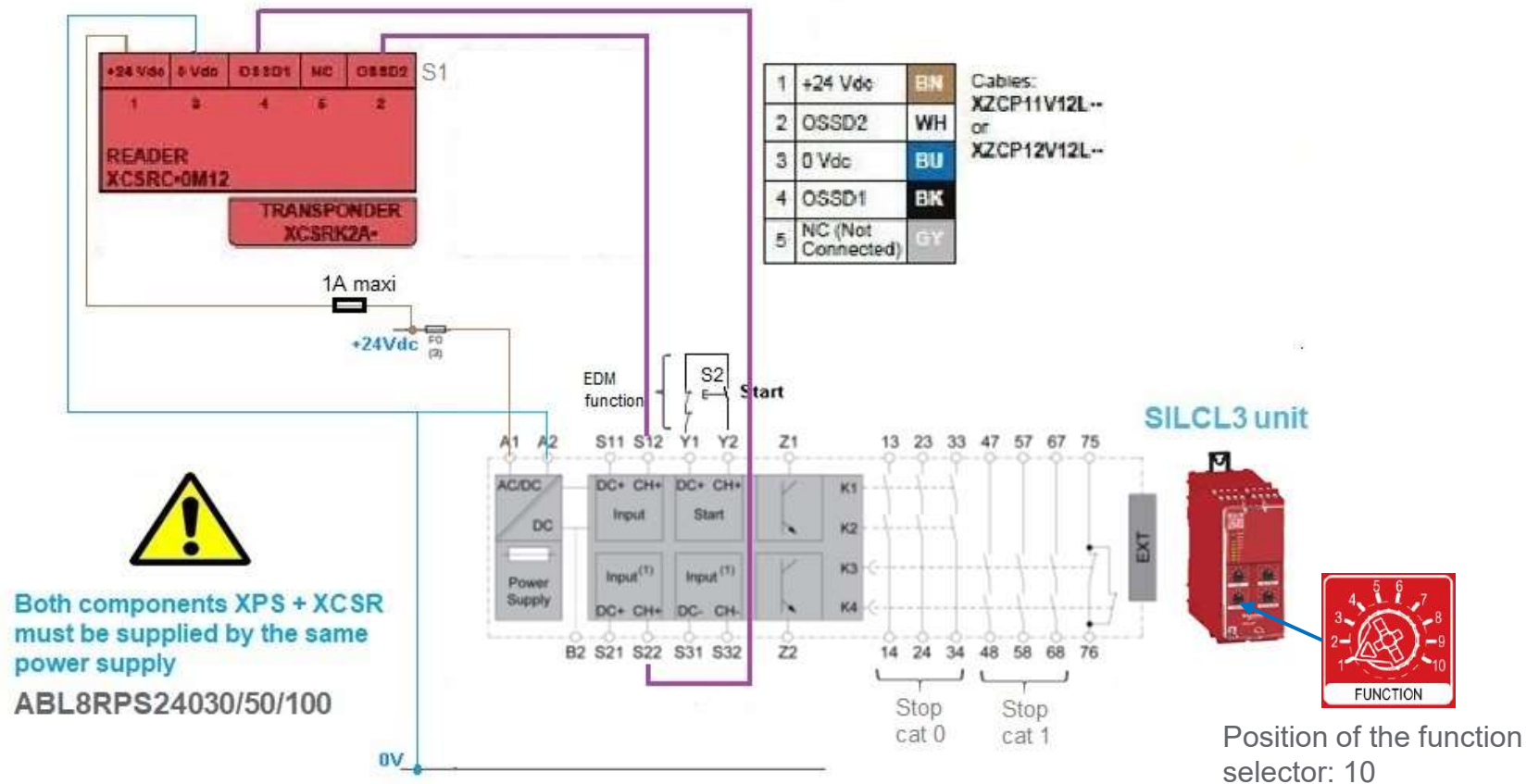
XCSR RFID contactless safety switch

- Impact of the time-delay in the safety solution
  - Increase the safety distance guard-danger zone in the ISO 13855 standard
  - Check the adequation of the solution depending on the safety distance (ISO 13855 standard)
  - Function not integrated in the switch, to be implemented by external XPS unit

- XPS units not compatible with XCSRC switch having solid state outputs
  - **XPSABV** unit with 1 alone time-delayed output (no redundant architecture),
    - *Not compatible with the solid state outputs components by design*
  - **XPSAV11113(P)** unit with 3 time-delayed outputs
    - *Not compatible with the solid state outputs components (external supply)*
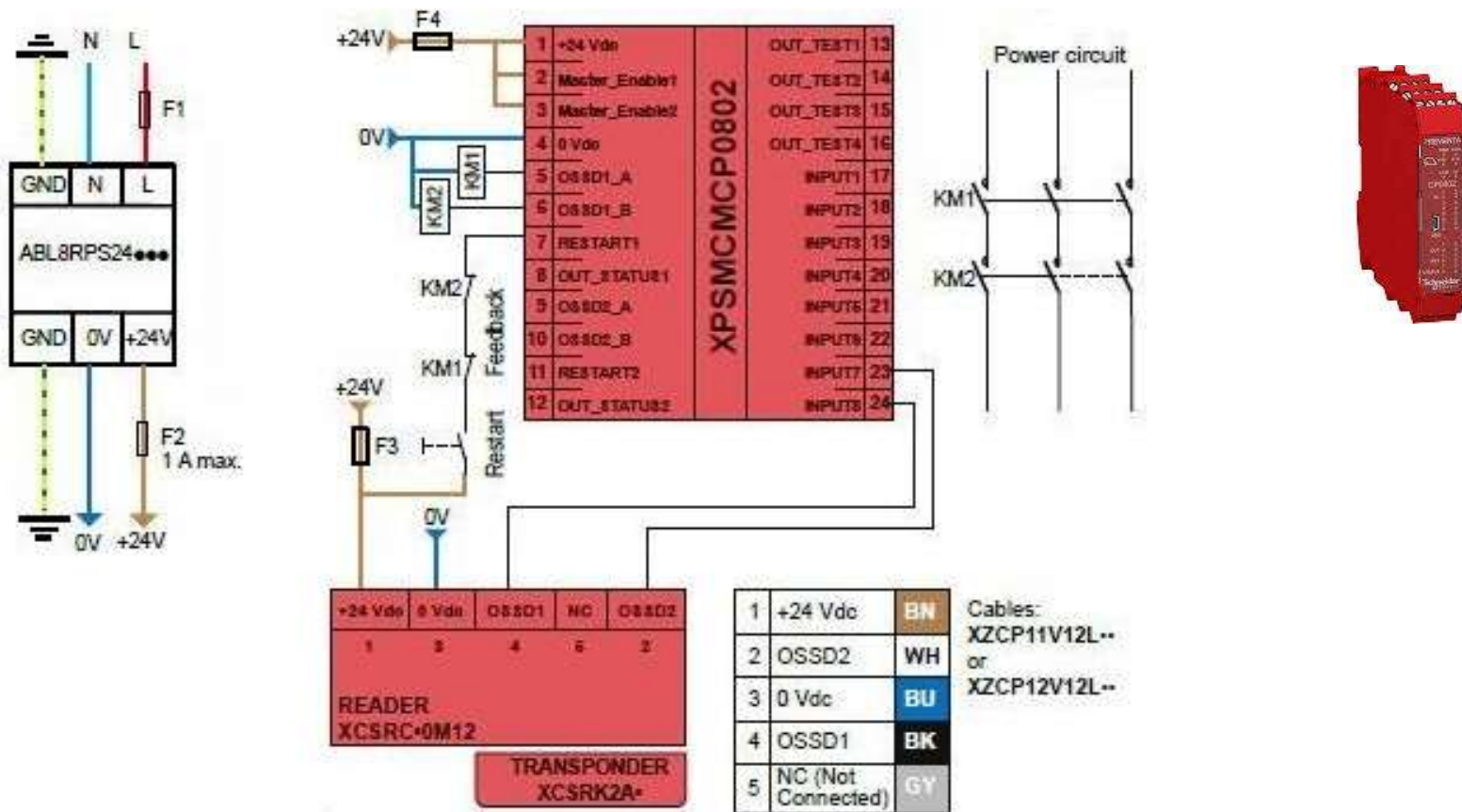
XCSR RFID contactless safety switch

- ● **XPSUAT association with RFID XCSRC RFID contactless safety switch**
  - ● Wiring diagram PL e, category 4 : example with 1 XCSRC **single model.** Daisy-chain switches XCSRC*2M12 can be used too (6 maxi with 20m jumper cables). Automatic start possible

Position of the function selector: 10

XCSR RFID contactless safety switch

- **XPSMCM association with XCSRC RFID contactless safety switch**
  - Wiring diagram PL e, category 4, 1 XCSRC **single model** per input group of 2

XCSR RFID contactless safety switch

- **XPSMCM association with XCSRC RFID contactless safety switch**
  - Example of « SoSafe configurable » software using time-delayed outputs