

SAFETY PRODUCTS

Safe monitoring solution - single door

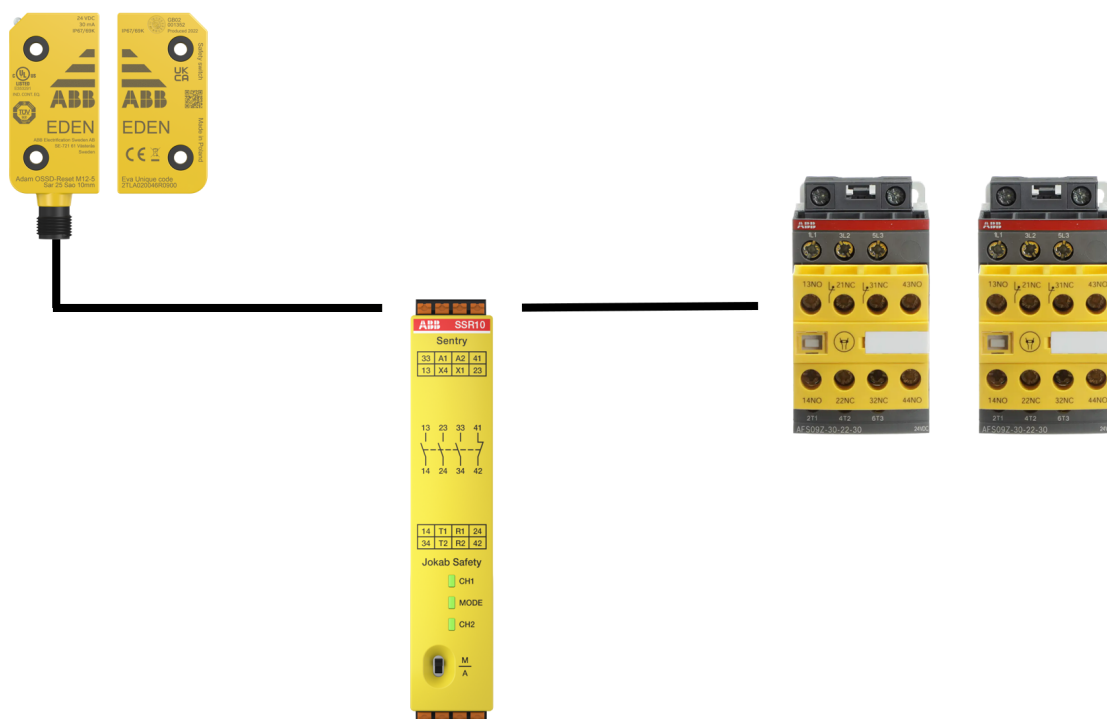
Sentry, Eden OSSD and contactors

- Easy to reach the highest safety level
- Simple solution
- Easy to install



Application

Safe monitoring of a movable guard, such as a door or a hatch, is one of the most common applications in industrial environments. Here is a solution using non-contact safety sensor and a safety relay that cuts power to the machine using redundant safety contactors. The safety relay can be configured for manual or automatic reset depending on the application.



Functional safety level

The solution fulfills up to Category 4, PL e according to EN ISO 13849-1:2015 and up to SIL3 according to EN 62061:2005. Eden OSSD meets the coding requirements according to EN ISO 14119:2013 regarding manipulation protection.



Sentry SSR10P

Sentry safety relay

Choose between standard screw terminals or push-in terminals

Description	Type	Order code
Single function safety relay with screw terminals	Sentry SSR10	2TLA010050R0000
Single function safety relay with push-in terminals	Sentry SSR10P	2TLA010050R0001



Adam OSSD-Info M12-5

Adam non-contact safety sensor

Description	Type	Order code
Non-contact safety sensor with 5-pins for single connection	Adam OSSD-Info M12-5	2TLA020051R5400

See [Safe monitoring solution - multiple doors](#) for serial connection of multiple sensors.



Eva general code

Eva non-contact safety actuator

Choose low or high level coding, depending on risk assessment

Description	Type	Order code
Low level coded actuator	Eva general code	2TLA020046R0800
High level coded actuator	Eva unique code	2TLA020046R0900



M12-C61

Cables

Choose suitable cable length

Description	Type	Order code
M12-5 cable length 3 meter	M12-C31	2TLA020056R0500
M12-5 cable length 6 meter	M12-C61	2TLA020056R0000
M12-5 cable length 10 meter	M12-C101	2TLA020056R1000
M12-5 cable length 20 meter	M12-C201	2TLA020056R1400

Note that alternative cable lengths exist



AFS09

Safety contactors

The AFS contactors are dedicated for safety applications. See [product sheet](#) for range and selection.

Links

Product sheets

[Sentry flyer](#)
[Eden flyer](#)
[AF contactors for safety applications](#)

Web pages

[Sentry SSR10](#)
[Adam OSSD-Info M12-5](#)
[Eva General code](#)
[Eva Unique code](#)
[Contactors for safety applications - Motor protection and control](#)

Connection diagrams

[Connection diagram Sentry SSR10 Eden](#)
[Sentry connection diagrams with most safety devices](#)

Manuals

[Sentry SSR10](#)
[Eden OSSD](#)