

SAFETY PRODUCTS

Safe door monitoring with process lock solution

Magne OSSD, Sentry and AFS Safety Contactors

- Easily reach highest level of safety
- Fast connection
- Robust Design

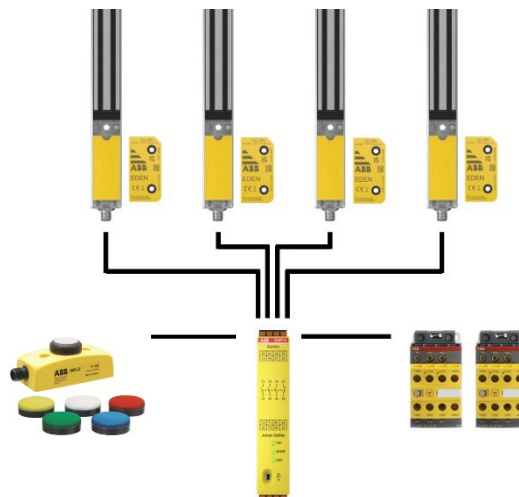


Application

On machines where important to prevent disturbances of the production process (ex. Welding of a part), door and hatches not only need to be safety monitored but also need to be locked. Magne OSSD is used to lock doors or hatches and has an integrated non-contact safety sensor (Eden) for safe supervision of the door. (Note that since Magne is a process lock, the locking function is non-safe, but the supervision is safe.) The dangerous machine function is stopped by opening a door or hatch. A Sentry safety relay is used to monitor the Magne OSSDs and controlling/monitoring the two redundant contactors that cuts the power to the machine. The safety relay can be configured for manual or automatic reset depending on the application.

Functional safety level

Even if the process locks are connected in series (daisy chain) the supervision still fulfills the maximum safety level up to Category 4, PL e according to EN ISO 13849-1:2015 and up to SIL3 according to EN 62061:2005. Magne OSSD meets the coding requirements according to EN ISO 14119:2013 regarding manipulation protection.





Magne



Smile Reset



M12 cable



SSR10

AFS Safety
Contactor**Ordering information Magne OSSD.**

Description	Order code
Magne 4 OSSD Info Electromagnet with built in Adam Sensor	2TLA042022R4600
Additional information can be found in the Magne manual and Magne data sheets .	

Ordering Information Eva – choose low or high-level coding.

Description	Order code
Eva General Code – low level coding (Eva is interchangeable)	2TLA020046R0800
Eva Unique Code – high level coding	2TLA020046R0900

Ordering Information Anchor Plate.

Description	Order code
32E Anchor plate with permanent magnet	2TLA042023R0420
32D Anchor plate without permanent magnet	2TLA042023R0410

Ordering Information Cables – choose suitable cable length.

Description	Connector	Length	Order code
M12-C63 Single Ended Cable	M12-8 (Female)	6m	2TLA020056R3000
M12-C103 Single Ended Cable	M12-8 (Female)	10m	2TLA020056R4000
M12-C203 Single Ended Cable	M12-8 (Female)	20m	2TLA020056R4100

Ordering Information Smile Reset.

Description	Material Housing	Connector	Order code
Smile 11RA	Plastic	M12-5 (Female)	2TLA030053R0000

Ordering Information Cables for Smile 11RA - choose suitable cable length.

Description	Connector	Length	Order code
M12-C61 Single Ended Cable	M12-5 (Female)	6m	2TLA020056R0000
M12-C101 Single Ended Cable	M12-5 (Female)	10m	2TLA020056R1000
M12-C201 Single Ended Cable	M12-5 (Female)	20m	2TLA020056R1400

Ordering Information Sentry Safety Relay.

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

Additional information can be found in the [Sentry Safety Relay](#) data sheet. Wiring can be found in the [Sentry Wiring Examples](#).

Safety Contactors

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

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