

Ladies and Gentlemen.

The Schmersal Group present an innovative solenoid interlock with a switch and actuator of unusual design.

AZM300

More than just a solenoid interlock



A solenoid interlock for any mounting situation

At first sight already, the solenoid interlock called AZM 300 is significantly different from other switchgear offered on the market. Because of the innovative interlocking system in the form of a rotary Maltese cross, the interlock can be [actuated from three sides](#), which provides for universal application possibilities. One and the same model can be used both on revolving doors with left-hand side and right-hand side hinges and on sliding doors.

Usable as door stop – adjustable latching force

The user does not need any additional add-on parts such as a door stop or a latching element, considering

that these functions have been integrated in the interlock. This is a most desired practical feature amongst machinery and plant builders.

The AZM 300 integrates another practical function, namely the [adjustable latching force](#), i.e. the non-safety-related interlocking function when the safety guard is unlocked. Because of this feature, the interlocking system can be smoothly adjusted to suit individual requirements.



Actuation from the rear side

Actuation from the slim side

Actuation from the front side

The one for all mounting situations

- Symmetric mounting for right and left hinged doors
- Only one version for hinged and sliding doors
- Compact design
- Can be used as end stop
- 3 actuating directions
- Large actuator play
- Switchable latching force (25N / 50N)
- PLe / SIL 3
- Series-wiring without reduction of the safety level
- More than 30,000 different codings
- Serial diagnostic
- Low power consumption
- Power to lock or power to unlock
- Actuator or solenoid interlock monitoring
- Hygiene-compliant design: Resistant to many cleaning agents
- Protection class IP69K
- Manual release
- Smooth fitting to DIN rails

Three different types of coding

Not only the mechanical construction of the AZM 300 is innovative; the electronics are also innovative. An integrated RFID sensor detects the identification and the coding of the actuator. This means that the user can choose three different types of coding.

In the basic version, the sensor will accept any suitable target. A second – coded – version only reacts onto an individually assigned target. The [teaching procedure](#) can be repeated an arbitrary number of times. Finally, a third variant is available, which only accepts the target that was taught upon the first activation.

In this way, the user can choose the most suitable coding variant for his application. The importance of this function in actual practice cannot be overemphasised: practical investigations and field tests show over and over again that many safety guards are being tampered with. When an individually coded solenoid interlock is used, the tampering cannot be completely excluded, though it can be at least made more difficult.

Are you looking for the most suitable safety system for your application? Use our

Application Finder!

Directing you straight away from the application to the right safety switching system. That is – summarised in a few words – exactly what the Application Finder from the Schmersal Group does.

The opening screen of the Application Finder shows an automated production plant. When the PC user clicks on one of the safety components represented on the hazardous areas of the plant, a window is opened, in which the individual product groups for the area concerned are listed. Then, the user can select a number of functions to open the corresponding product description in the online catalogue and to find the suitable product within just a few seconds.



[Start the Application Finder here.](#)

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K.A. Schmersal Holding GmbH & Co. KG

Möddinghofe 30
42279 Wuppertal
Germany

Phone: +49 (0)202 6474-0
Fax: +49 (0)202 6474-100
E-mail: info@schmersal.com

www.schmersal.com

General Manager: Dipl.-Ing. Heinz Schmersal

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Editorial staff: Gerald Scheffels, Uwe Franke