

The smallest electronic  
solenoid interlock in the world

# AZM40 THE COMPACT SOLENOID INTERLOCK

NEW



 **SCHMERSAL**  
THE DNA OF SAFETY

# AZM40

## THE SMALLEST ELECTRONIC SOLENOID INTERLOCK IN THE WORLD

- Small construction form  
(WxHxD: 40 x 119.5 x 20 mm)
- Bistable principle of operation
- High holding force  $F_{zh} = 2,000 \text{ N}$
- Latching force approx. 25 N
- Individually coded version with coding level "High" according to ISO 14119
- Suitable for applications up to Cat. 4 / PL e / SIL 3



The AZM40 has a bistable interlock principle, allowing the last lock state to be retained in the event of a power failure. Even with hazardous run-on movements, the safety door remains safely interlocked.

Thanks to the 180 degree angle flexibility, the actuator can approach the AZM40 continuously so that the interlock can also be used on flaps that do not close at a 90 degree angle or that open upwards at a 45 degree angle. The angle flexibility ensures that the interlock can be easily installed even in confined and difficult-to-access locations.

## CHARACTERISTICS

- Optimised for mounting on 40 mm profiles
- Symmetrical mounting, can be bolted on either side
- Actuator can approach interlock continuously within a 180° angle
- Only one version for hinged and sliding doors
- LEDs visible from three sides



## SMOOTH ADJUSTMENT

Two grub screws allow pre-adjustment of the actuator tongue.

## HIGH FLEXIBILITY

180° angular flexibility of the actuator



# THE SCHMERSAL GROUP

## PROTECTION FOR MAN AND MACHINE

In the demanding field of machine safety, the owner-managed Schmersal Group is one of the international market leaders. The company, which was founded in 1945, has a workforce of about 2000 people and seven manufacturing sites on three continents along with its own companies and sales partners in more than 60 countries.

Customers of the Schmersal Group include global players from the area of mechanical engineering and plant manufacturing as well as operators of machinery. They profit from the company's extensive expertise as a provider of systems and solutions for machine safety. Furthermore, Schmersal specialises in various areas including food & beverage, packaging, machine tools, lift switchgear, heavy industry and automotive.

A major contribution to the systems and solutions offered by the Schmersal Group is made by tec.nicum with its comprehensive range of services: certified Functional Safety Engineers advise machinery manufacturers and machinery operators in all aspects relating to machinery and occupational safety – and do so with product and manufacturer neutrality. Furthermore, they design and realise complex solutions for safety around the world in close collaboration with the clients.



### SAFETY PRODUCTS

- Safety switches and sensors, solenoid interlocks
- Safety controllers and safety relay modules, safety bus systems
- Optoelectronic and tactile safety devices
- Automation technology: position switches, proximity switches

### SAFETY SYSTEMS

- Complete solutions for safeguarding hazard areas
- Individual parametrisation and programming of safety controllers
- Tailor-made safety technology – be it for individual machines or a complex production line
- Industry-specific safety solutions

### SAFETY SERVICES

- tec.nicum academy – Seminars and training
- tec.nicum consulting – Consultancy services
- tec.nicum engineering – Design and technical planning
- tec.nicum integration – Execution and installation



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The details and data referred to have been carefully checked.  
Subject to technical amendments and errors.

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