

Schmersal AZM 300

Adding value through innovation.

As more emphasis is being placed on consolidating vendors, products and inventory, having a partner that is singularly devoted to machine safety provides a unique advantage to both end users as well as distributors. As machine safety experts, Schmersal has been able to focus its development efforts into providing machine safety systems that provide greater value to the machine designer. Schmersal's newest generation of interlock devices have solidified them as the innovation leader in machine safety. Among these products is a new solenoid locking switch that provides greater flexibility to OEM as well as MRO applications. The AZM 300 is a universal solenoid interlock that allows for the same interlock to be used in left or right hand opening doors as well as vertical and slide opening doors. For left hand or right hand opening doors simply turn the switch over. This flexibility allows the designer to have an almost universal interlock which can also be used in conjunction with other Schmersal interlocks.



The AZM 300 provides 1000 N of holding force when actuated and can be ordered as power to lock or power to unlock. By a simply turning the blue star handle to either I or II, the designer can achieve 25N or 50N of latching force, eliminating the need for door stops or magnets.



The interlock uses RFID technology in the actuator and as such can utilize a generic actuator or can be “taught” to accept only one actuator. There is also a manual release as well as LED diagnostics located on the body of the interlock. The LED blinking pattern allows an operator to troubleshoot a number of issues such as misalignment, low voltage, high ambient temperature, cross wire- short, etc.



The AZM 300 can be wired in series in conjunction with other Schmersal interlocks through the use of M12 connectors while maintaining SIL 3 / Performance Level E. In addition, the use of a gateway can allow individual annunciation as well as exporting safety data to the plant or machine communication protocol. This allows the designer a number of advantages beyond the obvious ease of wiring such as:

- Creating a safety “bus”
- Modular approach to guarding
- Interlocks can be mounted during fabrication and tested for alignment before shipment and simply wired on site
- Easy addition of safety gates in the field
- Wiring diagrams are made simpler
- Annunciation
- Exporting safety information to the plant / machine protocol



The unique features of the AZM 300 exemplify Schmersal's approach to providing a complete safety system through innovative products that can be adapted to meet guarding needs. Please double click on the link below for a brief YouTube video of the features and benefits of this interlock or you can visit their website at www.schmersalusa.com.

<http://www.youtube.com/watch?v=4PxoOtSqWsE>