



SAFEMASTER

Lift and elevator technology

Safety modules for applications according to
elevator standards EN 81-20 / EN 81-50



Our experience. Your safety.

New elevator standards

– Solutions for elevator control systems

Apart from aircraft, modern elevators are among the safest means of transportation worldwide. The control of lift and elevator systems is regulated throughout Europe and the EU directive 2014/33/EU specifically applies to the carriage of passengers and goods in Lifts/ Elevators at speeds exceeding 0.15m/s.

Failures and accidents are prevented by the use of reliable safety relays and sensors, redundant path control systems and safety components. The use of reliable monitoring devices ensures the early detection of potentially critical conditions and indication of these conditions increases the systems availability.



Emergency stop module
BD 5987/301

Safety acc. to the latest standards

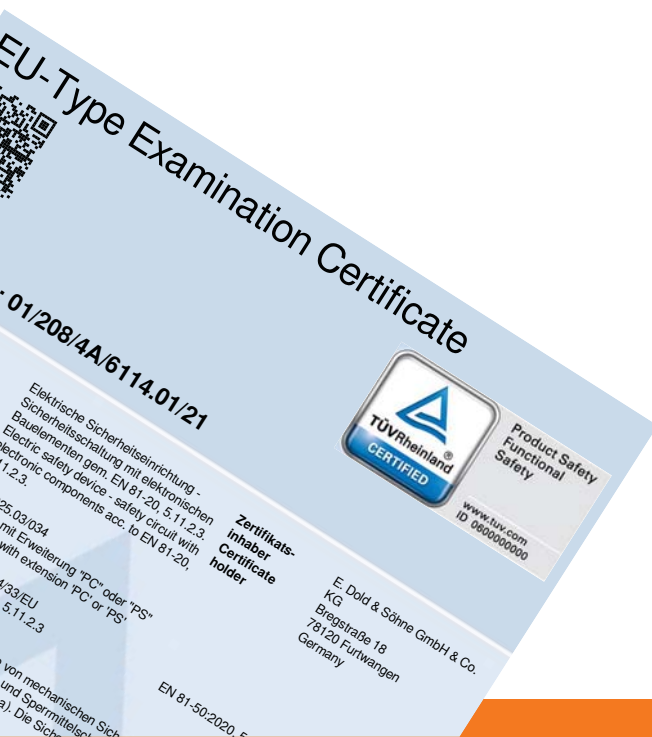
The safety relay BD 5987/301 fulfils the requirements of a safety circuit for the replacement of safety switches according to section 5.11.2.2 of EN 81-20 and thus enables a standard-compliant use in lifts. It is characterised by a short release time in the event of an interruption in the mains circuit.



Safety modules

– with approval according to EN 81-20 / EN 81-50

In order to improve the safety standards for elevators, safety requirements are being tightened for the construction of elevators. As of September 1, 2017, Lift/ Elevator controls must now comply with the new standards EN 81-20 and EN 81-50. The safety modules LG 5925/034 and BD 5987/301 have been certified according to these new standards.



Protective devices prevent uncontrolled elevator car movements

Accidents when entering and leaving the Elevator due to sudden release when the doors are opened must be prevented by the use of safety devices. By monitoring the speed and position of the elevator in the stop zone, allows measures to be implemented in fractions of a second to stop unwanted movement immediately.

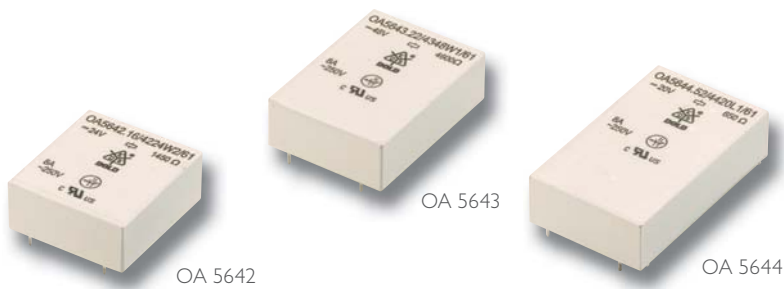


Safety module
LG 5925/034



for operation in areas of lower dust protection (< IP 5X)

The only 22.5 mm wide **safety module LG 5925/034** is used instead of mechanical safety switches. In particular, its tasks include safely bridging the door and locking device switches during retraction and adjustment of the cabin in the unlocking zone. The modules increased air gap and creepage distance allows it to be installed in switch cabinets with reduced sealing protection (lower than IP 5X or IP 54). The device is suitable for use in safety applications up to cat. 4 / PL e or SIL 3 and thus enables a wide range of applications.



DOLD is one of the leading manufacturers of PCB relays, producing a wide range of electromechanical relay solutions to cover many applications. As specialist in relays with forcibly guided contacts for use in the field of functional safety our ethos for quality and reliability is

achieved by controlling the whole design and manufacturing process in house, to the highest quality standards. This is underpinned by state of the art production facilities and a combination of experience and know-how.



Safety relays - with forcibly guided contacts

As a pioneer and cutting edge manufacturer of safety relays with forcibly guided contacts, PCB and miniature high power relays, our customers receive high quality solutions for the safe switching of electrical currents with minimal packaging dimensions.



Miniature relays - for reliable switching of large currents with compact dimensions.

DOLD 

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