



**Relay modules and Interlocks**



**Safety relays**



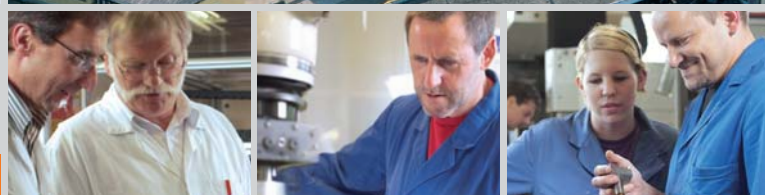
**Enclosures**



- Machinery and plant
- Power generation/distribution
- Oil and gas industry
- Automation
- Transport and material handling systems
- Rail technology
- Aviation/marine industry
- Paper and printing industry
- Food industry
- Rubber/plastics industry
- Heating and refrigeration
- Automotive
- Mining/metal working
- Chemical/pharmaceutical applications
- Medical technology
- Water/waste water treatment
- Cable cars/ski lifts

... and wherever safety has high priority.  
 We can cover your industrial applications as well!

# DOLD – Solutions for you



The DOLD philosophy, “Our experience. Your safety.” constitutes our program: Offering solutions based on over 90 years of experience with a workforce of more than 400 employees, we manufacture high quality products using state-of-the-art production plant at our Furtwangen facility in Germany.

The comprehensive product range includes relay modules, safety relays with forcibly guided contacts and electronic enclosures with virtually unparalleled production detail. The combination of know-how, innovation and experience makes us one of the leading worldwide manufacturers.

Apart from standard solutions, we are also the right partner when individual industrial solutions with that special touch are required.

Staying in close contact with our customers is very important to us. We listen, analyze and act by offering flexible, custom high-tech solutions, from a single source.

Thanks to our own development laboratory, highly automated production facilities with a modern tool & die shop in addition to injection moulding facility together with a well organized sales and marketing department, we guarantee high quality and short delivery times. Your benefits: Increased plant and machine availability, planning reliability and low production costs.

# Automation components

## Relay modules and Interlocks



Automation technology

Machinery and plant

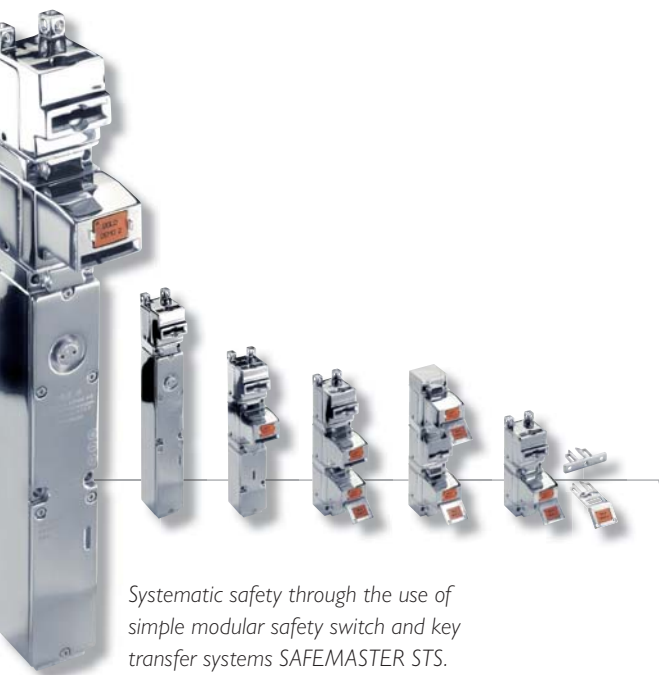
Steel / metal construction



Power generation/distribution

Automotive

Chemical / pharmaceutical applications



Systematic safety through the use of simple modular safety switch and key transfer systems SAFEMASTER STS.

### Safety

#### Safety relay modules

- Emergency stop
- Two-hand
- Safety gate
- Light barriers
- Safety mats/bars
- Speed and standstill
- Modular and multifunctional system
- Wireless Safety System

#### Safety interlocks:

- Safety switch and trapped key interlock system



**Always on the side of safety:**

With electronic monitoring and control electrical safety gets more and more important. Working precisely and reliably under all condition. Especially relay modules handling safety-relevant tasks must be 100 % reliable.

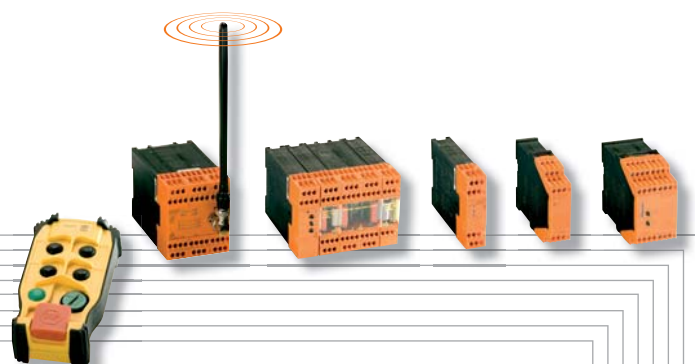
**Our know-how. Your key advantage:**

Wherever people, machines and products must be protected against injury or damage and productivity increased, DOLD relay modules and interlocks have been successfully deployed worldwide for many decades!

**The complete program:**

In addition to a variety of devices with standard functions, DOLD can fall back on many years of experience in developing tailor made and economic problem solving solutions. From monofunction safety modules up to multi-function modular safety systems with field bus connection – to protect man and machine and to optimize the production processes resulting in increased productivity. Single-source solutions.

Request our brochures!



Apart from a variety of classic monofunction safety modules, such as emergency stop modules, DOLD also offers multifunction safety modules and systems. We achieve this by integrating more and more functionality into a smaller space with the proven SAFEMASTER series.

**Monitoring**

- Insulation monitor devices \_\_\_\_\_
- Residual-current monitors \_\_\_\_\_
- Measuring and monitoring relays \_\_\_\_\_
- Fault annunciators \_\_\_\_\_
- Fault annunciator systems \_\_\_\_\_



Electronic devices that facilitate the early detection and indication of critical off-limit conditions and electrical variables for the protection of plant and production processes.

# Automation components



The extensive manufacturing detail of the DOLD product range is unparalleled in the industry!

Picture: Solid-state relay series POWERSWITCH



Food industry



Rubber / plastics industry



Heating and refrigeration



Transport and materials handling systems



Motor control



Woodworking industry

## Power electronics

Solid-state relays/contactors

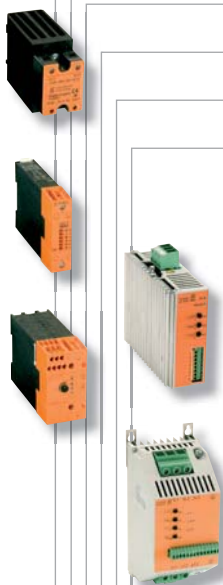
Softstarters

Motor braking devices

Reversing contactors

Speed controllers

Multifunction motor control units



Solid-state relays and -contactors, softstart and braking devices are the cornerstones of the DOLD power electronics range.



**High power – under full control**

Solid-state relays and -contactors, softstart and braking devices are the cornerstones of the DOLD power electronics range. Integration of diagnostics, monitoring functions and safety extends the product portfolio for modern motor controls.

**Ahead of its time:**

DOLD is one of the pioneers in the area of time-control technology. Many decades ago, DOLD set completely new standards with the development of compact and versatile timing relays. Since then innovative modules have also been developed in the field of measuring and monitoring. The MINITIMER and VARIMETER brands have become synonymous with precision and reliability. By continuous development and upgrading, we can offer a complete program of tailor made safe and economic solutions for both simple and complex applications.

With DOLD you will always switch reliably and safely.

Additional information is available at [www.dold.com](http://www.dold.com)



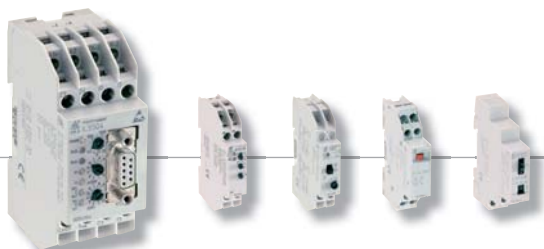
**Timing / control**

- Timers
- Bus modules
- CANopen PLC
- Interface/switching relays

*In addition to a fieldbus-capable PLC, DOLD also offers a comprehensive range of fieldbus-capable input and output modules as well as a range of interface relays in a variety of sizes and different contact arrangements.*

**Facility automation**

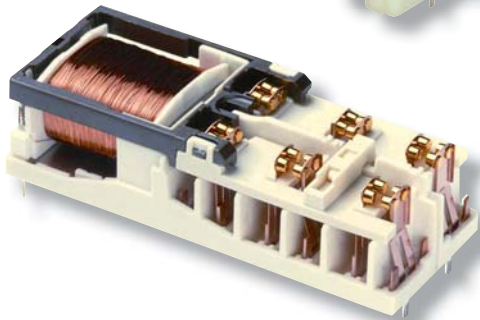
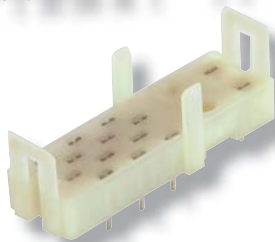
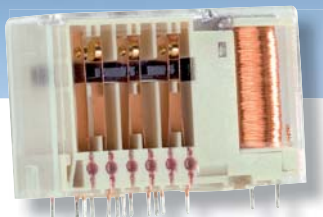
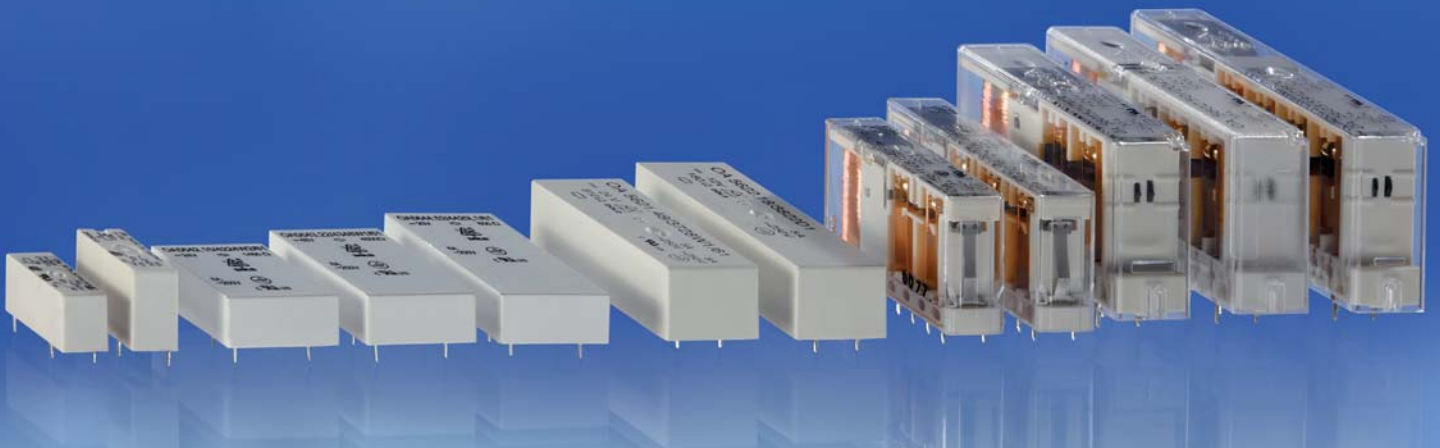
- Lighting controls
- Measuring and monitoring relays
- Fault annunciator systems
- Lift control
- Heating, ventilation and air condition (HVAC)



*DOLD offers a full program of installation devices for facility management.*

# Electromechanical components

## Safety relays



Laboratory/medical equipment



Paper and printing industry



Elevators and hoists



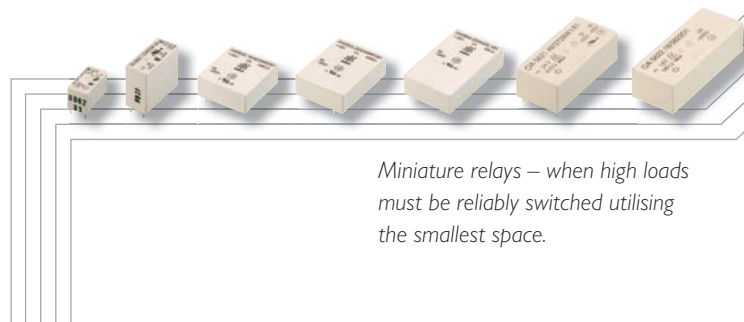
Machine safety



Automation



Rail equipment



*Miniature relays – when high loads must be reliably switched utilising the smallest space.*





**The best protection for your application:**

Safety engineering has become increasingly significant in nearly all industries. DOLD safety relay solutions are used in many applications where people must be protected from injury and expensive facilities from damages.

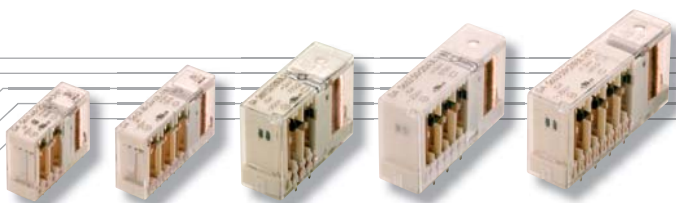
**Certified safety. Made in Black Forest:**

Relays with forcibly guided contacts are an important component for safe monitoring and control tasks. To meet the high quality requirements for these products DOLD relies on high production depth, most modern production facilities and employees with decades of experience at our Furtwangen facility in the Black Forest – Quality and reliability from a single source.

DOLD safety relays are available with a wide range of contact arrangement and dimensions. They guarantee high switching reliability and are ready to be used in your own safety applications.



The DOLD development department focuses mainly on PCB safety relays with forcibly guided contacts. DOLD offers these and standard printed circuit board relays according to customer specifications. What can we do for you?



*Electromechanical relays with forcibly guided contacts for a high degree of safety.*



# Standard and customized enclosures

## Electronics enclosures



Measuring and control



Facility automation



Automation



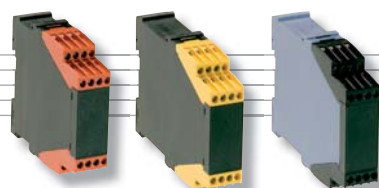
Communication



Laboratory/medical systems



Renewable energy

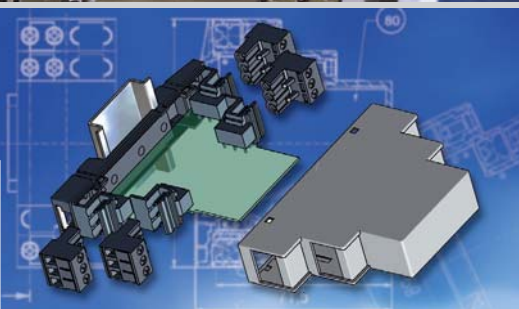


*DOLD produce enclosures to cover a wide variety of applications.*



*DOLD has engineered and produced plastic and metal enclosures in series production for decades.*





**We have the know how:**

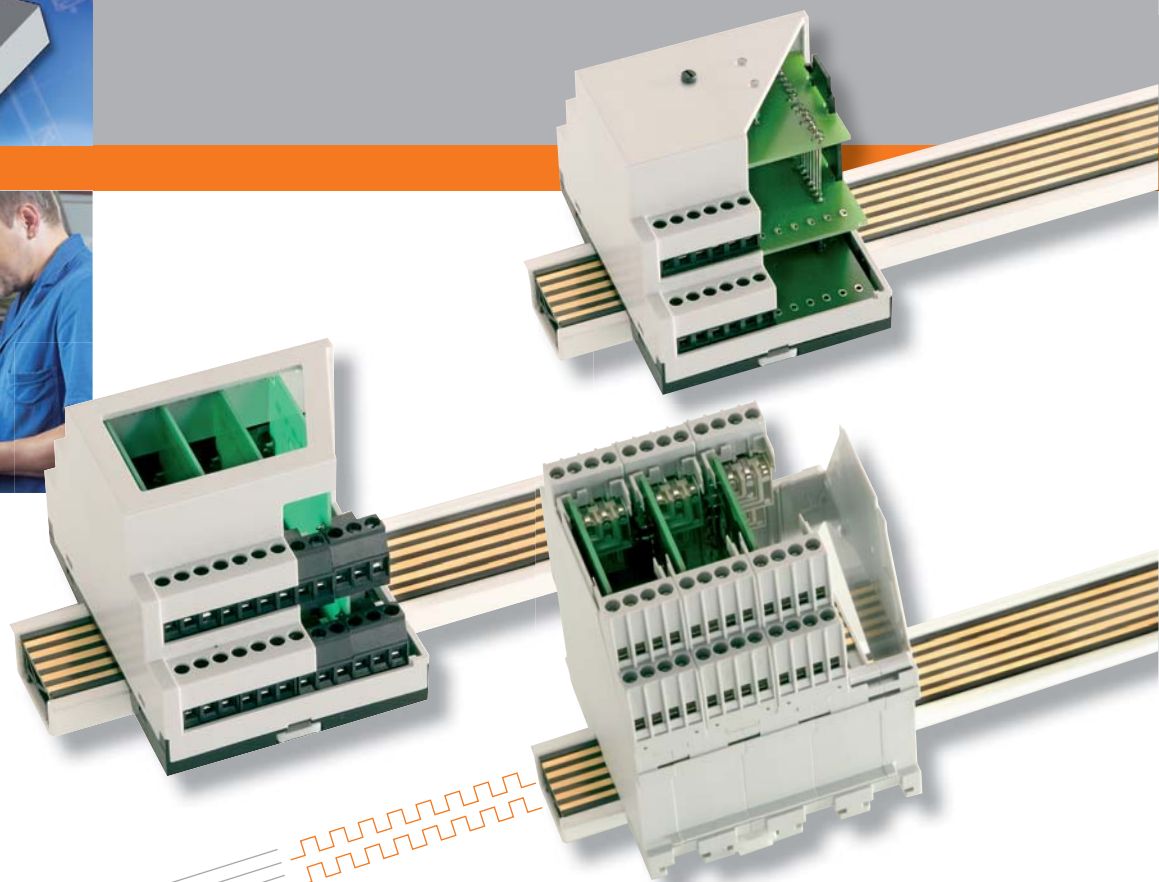
DOLD has engineered and produced plastic and metal enclosures in Furtwangen for decades. Our team knows how to create the refined features that define a smartly designed and practical industrial enclosure. Our state-of-the-art production lines reduce manufacturing costs by the production of large unit quantities.

**Functional and variable.**

DOLD offers a wide range of different enclosures for installation in control cabinets, consumer units and industrial distribution boards. Therefore finding an enclosure solution to meet the demands of various applications is always possible.

**Modular and customer-specific.**

Do you prefer to use an electronics enclosure which has been designed exclusively for your special applications? DOLD develops and manufactures customer-specific tailor made electronics enclosures and can also provide you with the matching terminals.





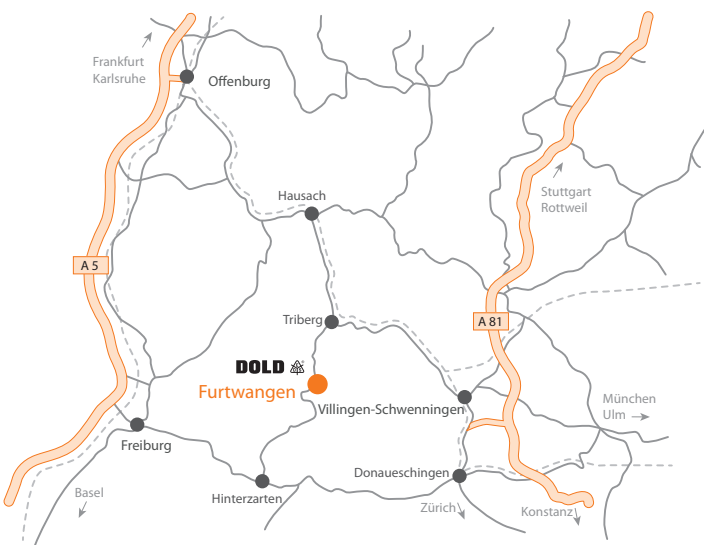
From a regional Black Forest company to a specialist company with worldwide success – we are always available to assist you with sales partners on all continents.



From the very beginning it was the goal of the company founded by Emil Dold in 1928, to provide innovative products for the highest levels of safety and customer satisfaction. DOLD has steadily and successfully developed and expanded:

From a pioneer in relay technology to one of Europe's leading branch representatives in safety and monitoring technology as well as power electronics, with over 400 employees throughout the world.

Our experience. Your safety.  
Challenge us. We look forward to it!



**E. Dold & Söhne GmbH & Co. KG**  
Bregstraße 18 • D-78120 Furtwangen  
T +49 7723 654-0 • F +49 7723 654-356  
dold-relays@dold.com • www.dold.com