



## SAFEMASTER M

### The modular, software-free safety system

**DOLD** 

Safety-oriented control systems to evaluate safety switches and sensors as well as for the activation of actors have long been on the market. As a machine and equipment manufacturer, you are spoiled for choice. Hard wire, configure or program? The use of programmable safety controls is not always worth it. The requirements and expenses for software specification, programming, validation and documentation cannot be overlooked.

DOLD offers an interesting alternative with the **multifunctional safety system SAFEMASTER M**, just for smaller to medium sized facilities. Safety requirements are implemented quickly and easily through the software-free configuration.

To configure your safety applications, SAFEMASTER M requires nothing more than a simple screwdriver: Connect safety modules together with ease using a ribbon cable, define the safety function using a rotary switch, and use a DIP switch to assign the safety-related inputs to the outputs and thereby to different safety zones – that's all.

#### Advantages and customer benefit

- ▶ Multifunctional, modular, freely configurable
- ▶ Free assignment of input and output functions
- ▶ Easy software-free configuration
- ▶ Modular expandability with input and output modules
- ▶ Diagnosis using LEDs and semiconductor outputs
- ▶ Easy function selection with rotary switch
- ▶ Optional fieldbus connection

**Our experience. Your safety.**

# Software-free safety system

## Technical features

- ▶ Up to 26 single-channel or 13 2-channel input circuits
- ▶ Up to 15 redundant, safety output contacts
- ▶ 4 start button-inputs for enabling / acknowledgement
- ▶ 2 Semiconductor monitoring output in each input module and control unit
- ▶ 1 input for a feed back circuit in output module each
- ▶ Manual / Auto-Start
- ▶ With / without cross fault detection
- ▶ System indication via optional field bus interface
- ▶ 4 output groups operated either separately, together or individually combined



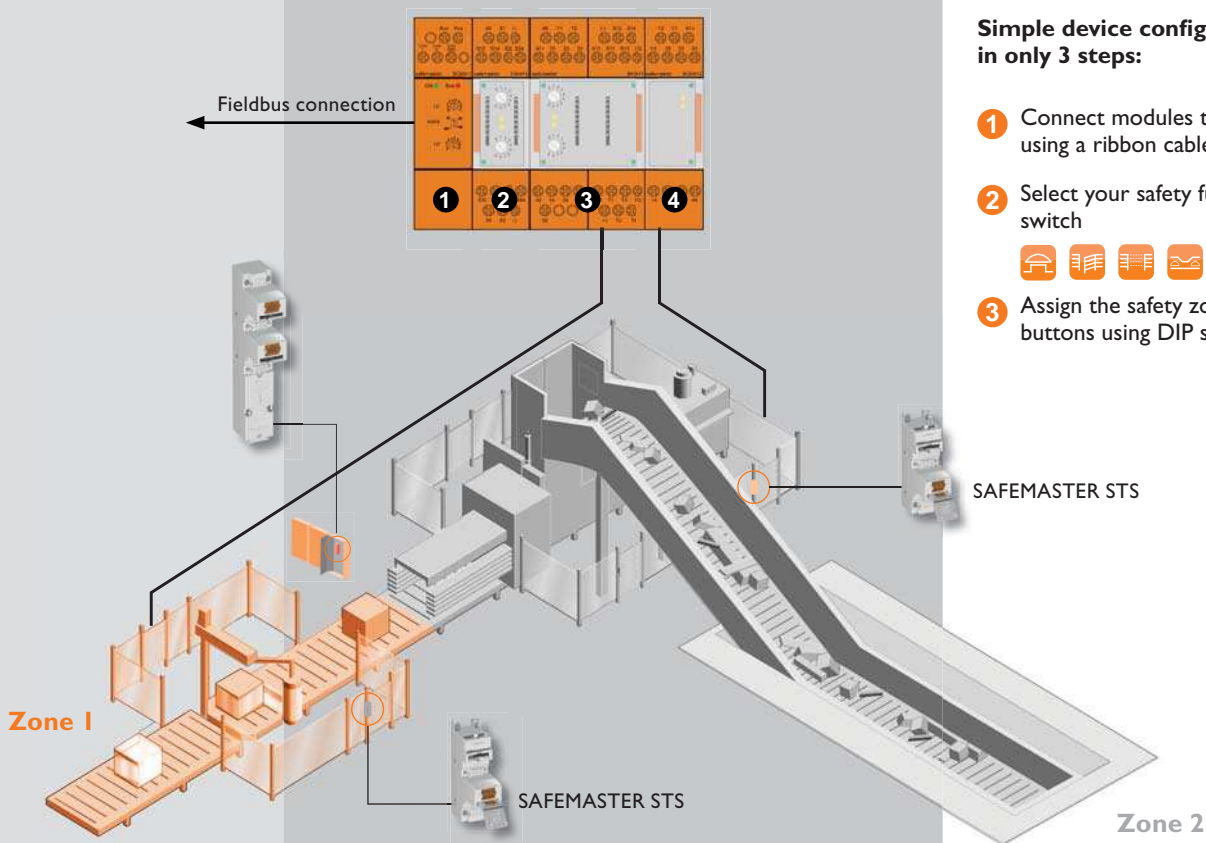
Minimal configuration



Maximum configuration

## Example of application

This example shows a concrete example of a baling press plant. Here, multiple safety zones can be set individually, because not every dangerous situation must invariably lead to the shutdown of the entire system. Thus the conveyor unit of the packaging machine may continue to run when one zone is shut down.



## Simple device configuration in only 3 steps:

- 1 Connect modules together using a ribbon cable
- 2 Select your safety function by rotary switch
  - 
  - 
  - 
  - 
  -
- 3 Assign the safety zone and start buttons using DIP switches



- 1 Fieldbus module
- 2 Input module
- 3 Control unit
- 4 Output module

## Further information

SAFEMASTER M

Start

[www.dold.com](http://www.dold.com)



**E. DOLD & SÖHNE KG**  
 P.O. Box 1251 • 78114 Furtwangen • Germany  
 Tel. +49 7723 6540 • Fax +49 7723 654356  
 dold-relays@dold.com • www.dold.com