# SAFEMASTER PRO

## Configurable safety system -
## Modular and multifunctional

With the size of the plants and complexity of the safety requirements the number of safety devices increases in many applications. In addition logical functions need to be implemented when e.g. only parts of the whole system needed to be disconnected. The modular and **configurable safety system SAFEMASTER PRO** of DOLD monitors the safety circuits of your machines and plants simple, flexible and safe. The number of inputs and outputs of the central control unit can be amended by extension modules. In this way SAFEMASTER PRO can be configured very flexible to the actual application.

The configuration of the TUEV approved system is done very simple on a PC with the free configuration software **SAFEMASTER PRO Designer**: Select safety functions, assign in and outputs and connect them comfortably by PC. Finally transfer the tested logic via USB cable to the safety controller. Ready!

**Your advantages**

▶ For safety applications up to Cat 4 / PL e and SIL 3

▶ TÜV certified hardware and software

▶ Configuration instead of wiring with SAFEMASTER PRO Designer

▶ Simple handling by Drag & Drop in the graphic programming tool

▶ Time and cost saving set-up

▶ Reduces wiring and saves space in the cabinet

▶ Flexible extension with safe I/O modules

▶ Safe remote I/Os with bus extender modules for longer distances

▶ Extensive failure localisation and diagnostics

▶ Memory card as option for simple maintenance

**Our experience. Your safety.**

## Technical features

► Compact design: Control Unit and Extension modules only 22.5 mm width
► Max. 128 safe inputs and 16 dual-channel or 32 single-channel safety related outputs
► In addition to the Controller unit max. 14 extension modules can be connected
► Flexible safety logic to create and amend the safety functions
► Safe integrated logic testing
► Monitoring outputs, status LEDs and field bus connection to provide best diagnostic functions
► TÜV and UL approval

*Now also with safe speed monitoring!*

## System components

### Control unit
▶ 8 safety inputs
▶ 4 single-channel (/080) or 2 dual-channel safety outputs (OSSD)
▶ Individual programmable restart condition of the feedback circuit for each output
▶ Configuration via PC by Mini USB port
*UG 6911.10*  Art.-No. 0063818
*UG 6911.12/080*  Art.-No. 0068574

### Input/Output modules
▶ 8 safety inputs
▶ 4 single-channel (/080) or 2 dual-channel safety outputs (OSSD)
▶ Individual programmable restart condition of the feedback circuit for each output
*UG 6916.10*  Art.-No. 0063819
*UG 6916.12/080*  Art.-No. 0068590

### Input modules
▶ 8, 12 or 16 safety inputs
*UG 6913.08*  Art.-No. 0063820
*UG 6913.12*  Art.-No. 0064865
*UG 6913.16*  Art.-No. 0063821

### Output modules OSSD
▶ 2 or 4 dual-channel safety outputs (OSSD)
▶ Individual programmable restart condition of the feedback circuit for each output
*UG 6912.02*  Art.-No. 0063822
*UG 6912.04*  Art.-No. 0063823

### Output modules relay
▶ 1 or 2 dual-channel safety relay outputs for relay contact extension of the OSSDs
*UG 6912.14*  Art.-No. 0063824
*UG 6912.28*  Art.-No. 0063825

▶ 4 independent single-channel safety relay outputs
▶ Individual programmable restart condition of the feedback circuit for each output
*UG 6914.04*  Art.-No. 0066057

### Bus Extender
▶ Decentralization of safe inputs/outputs up to 50 m with up to 6 decentralized module groups
*UG 6918*  Art.-No. 0064866

### Fieldbus modules
▶ Fieldbus modules (Gateways) for extensive diagnostics:
*UG 6951 (CANopen)*        Art.-No. 0063828
*UG 6952 (PROFIBUS DP)*    Art.-No. 0063826
*UG 6954 (PROFINET)*       Art.-No. 0064861
*UG 6955 (Ethernet/IP)*    Art.-No. 0064862
*UG 6956 (EtherCAT)*       Art.-No. 0064863
*UG 6957 (USB)*            Art.-No. 0064864
*UG 6958 (Modbus TCP/IP)*  Art.-No. 0068268
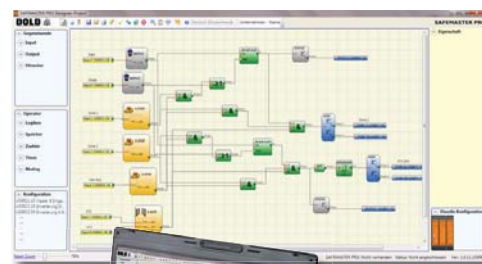*UG 6959 (Modbus RTU)*     Art.-No. 0068270

## Further information

SAFEMASTER PRO

**Start**

www.dold.com

## Configuration instead of wiring with SAFEMASTER PRO Designer

*Mini USB-Port*

Simple configuration in only 3 steps:

**1** Select and configure safety functions

**2** Assign in- and outputs and connect them comfortably on the PC

**3** Test safety logic and transfer it via USB cable to the safety module - ready!