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
**Configurable safety system**

**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

**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**

**Configuration instead of wiring with SAFEMASTER PRO Designer**

Now also with safe speed monitoring!

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!

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