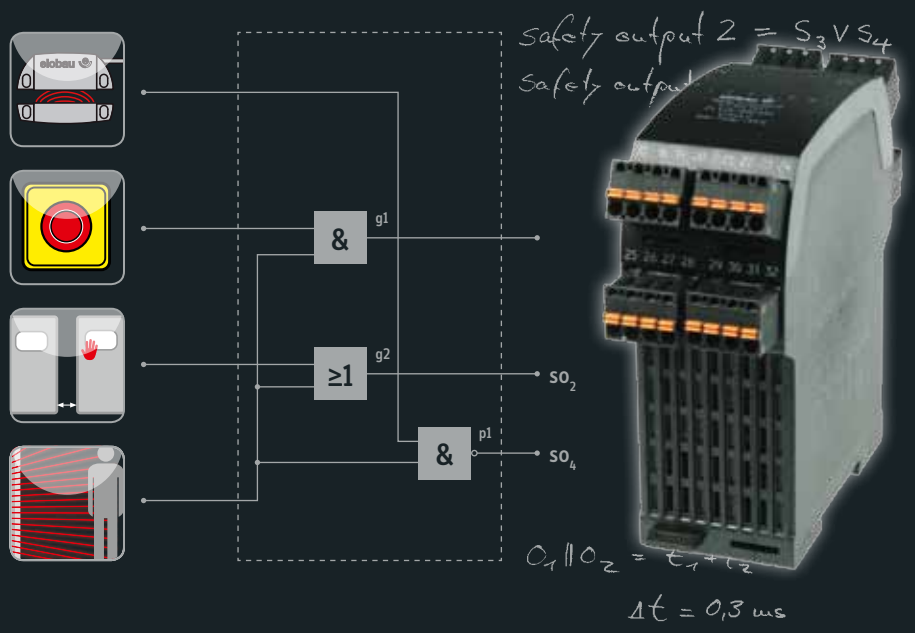
elobau®

sensor technology

made in Germany



eloFlex – the flexible safety solution

Safe. Economic. Flexible.

eloFlex – the flexible safety solution

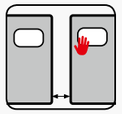
eloFlex is the perfect solution for safety applications of low to medium complexity. With eloFlex, you will get a safety system that offers the configuration options of modular systems. The configuration is tailored to the specific demands of the application and eliminates the need for customers to do their own programming, making handling as easy as with a standard device.

Easy system integration, time and cost savings through preconfigured and validated units.

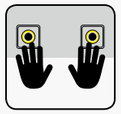
Safety functions

Safety sensor

Safety light barriers / scanners


Guard door monitoring

Light curtain


2-hand control

Emergency stop

No matter whether you require easy-to-wire control units or configurable or modular safety systems – at elobau, you will get the complete package for your evaluation, sensor, command and signal unit needs from one source.

- ☐ Implementation of up to four safety functions in one device model
- ☐ Variable number of safety outputs make for economical solutions
- ☐ More functions using less space in the switch cabinet – which lowers costs
- ☐ Tamper-proof thanks to defined and validated configuration by elobau
- ☐ Economical and reliable due to clear identification of configuration during maintenance, commissioning and service
- ☐ Highest flexibility thanks to diverse configurations options – perfectly adapted to your application
  - PL d or PL e
  - 1 – 4 safety inputs and outputs
  - Countless logical operations
  - Configurable control outputs

eloFlex is optimally suited for machines and systems with up to four safety functions. eloFlex really shows its strengths in serial machines. The easy installation and commissioning are particularly impressive in these cases. The configuration, validated and documented by elobau, means the highest possible protection from manipulation. It is safe and easy.

Input functions

- ☐ NC / NC
- ☐ NC / NO
- ☐ NO / NO
- ☐ OSSD

Logical operations

- ☐ AND
- ☐ OR
- ☐ NAND
- ☐ NOR
- ☐ XNOR
- ☐ XOR
- ☐ NOT

Output functions

- ☐ External device monitoring (EDM)
- ☐ Adjustable delay time from 0 – 99.9s
- ☐ Reset and start function

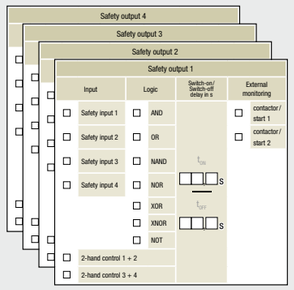
eloFlex – flexible configuration in four steps

1. Definition of safety functions and contact type inputs

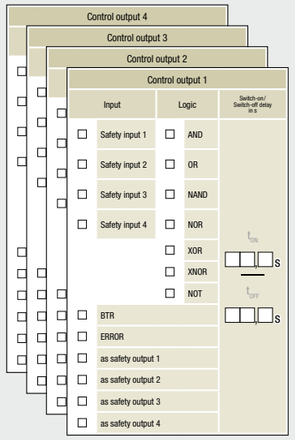
Safety input 1	Safety input 2
☐ NO / NO	☐ NO / NO
☐ NO / NC	☐ NO / NC
☐ NC / NC	☐ NC / NC
☐ OSSD	☐ OSSD
☐ 2-hand control (operating time 0.5 s)	

Safety input 3	Safety input 4
☐ NO / NO	☐ NO / NO
☐ NO / NC	☐ NO / NC
☐ NC / NC	☐ NC / NC
☐ OSSD	☐ OSSD
☐ 2-hand control (operating time 0.5 s)	

2. Define and allocate logic safety inputs (1 – 4) for safety outputs (1 – 4)



3. Logic for control outputs (1 – 4)

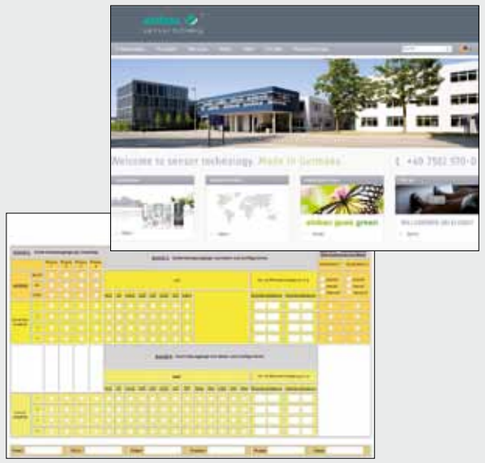


4. Safety outputs 1 – 4 and external contactor monitoring

External contactor 1
☐ automatic
☐ manual
☐ monitored

External contactor 2
☐ automatic
☐ manual
☐ monitored

You can find the online configurator at www.elobau.com



Would you like more information?

Order your personal copy of our catalogue Machine Safety at www.elobau.com or info@elobau.de

For enhanced safety with the highest possible flexibility:

eloProg – the modular safety solution

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