

# **Safety** for People and Machines

## wenglor Safety Technology





# Prevention through Innovation

Certified in accordance with the latest international safety standards, wenglor Safety Technology protects people and machines against hazards. Intelligent self-monitoring, controlled by numerous diagnostics functions, prevents undesired machine downtime and thus increases your system availability. The rugged and compact design of the safety systems is laid out for maintenance-free, wear-free operation and is distinguished by easy handling and adjustment. The components are specially laid out for limited installation space, thus permitting easy integration into existing or newly designed systems. Outstanding service is available to you at any time from initial start-up, right on up to testing of the guards at regular intervals.

## Safety Light Curtains: Type 4, PL e for Finger or Hand Protection

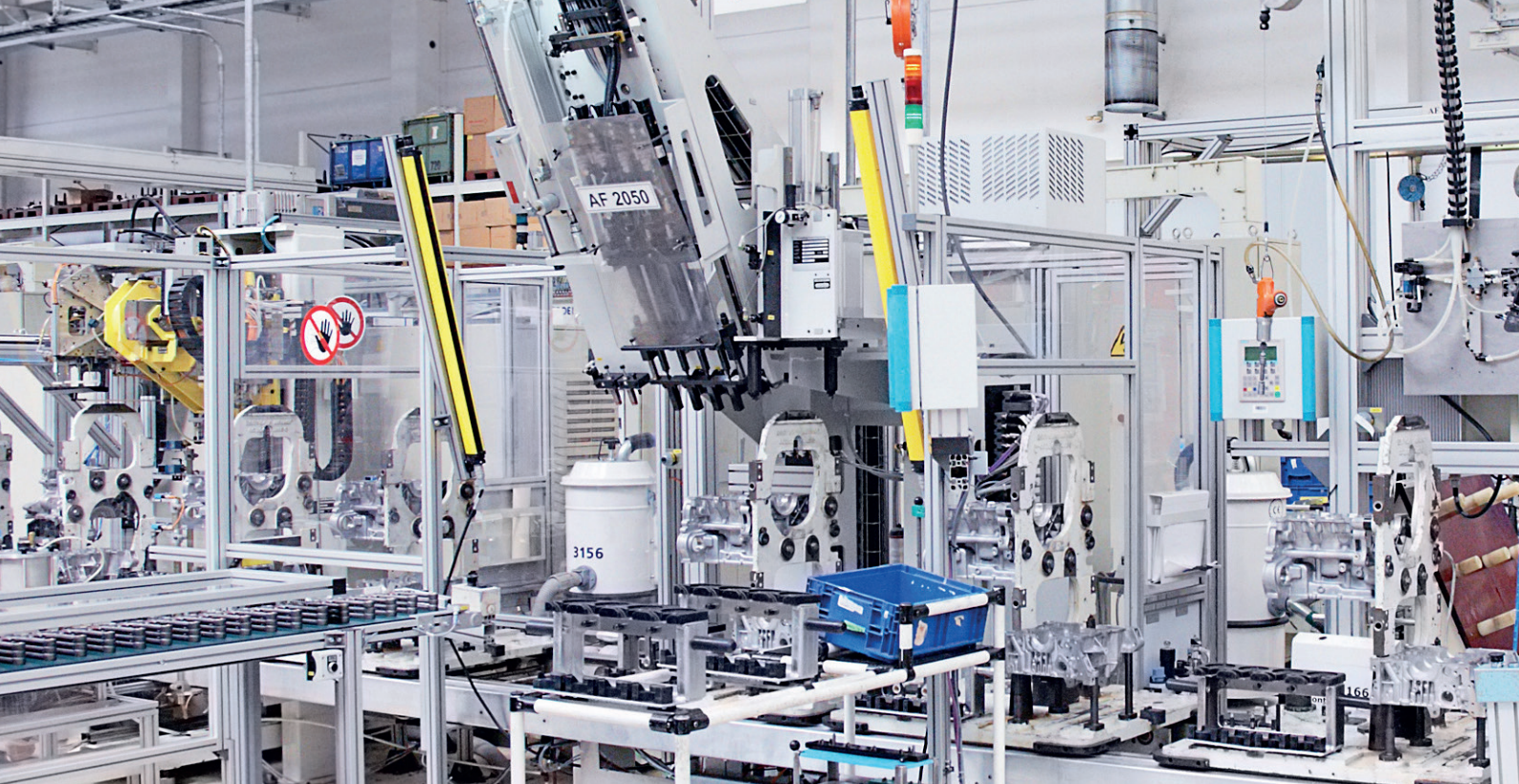
### Finger or Hand Protection with Basic Functions (Type 4, PL e)

- Basic functions: safety mode, restart inhibit, contactor monitoring
- Minimal space requirement thanks to narrow, rugged, non-protruding housing
- Short response times
- Simple configuration via wiring
- Fast and easy alignment via red light and status display
- Diverse mounting options

### Finger or Hand Protection with Additional Functions (Type 4, PL e)

- Additional functions (resolution, fix blanking, auto floating blanking, floating blanking) can be activated at the Light Curtain or via the software
- Time-saving installation and alignment thanks to red light, T-slot and included mounting bracket
- Easy configuration via DIP switch or intuitive, free wenglor software
- Cascading is possible
- Serial port





## Safety Light Arrays Offer Ideal Body Protection: Type 4, PL e

- Time-saving installation and alignment thanks to red light, T-slot and included mounting bracket
- Increased process reliability by means of reduced resolution

## Protection Columns

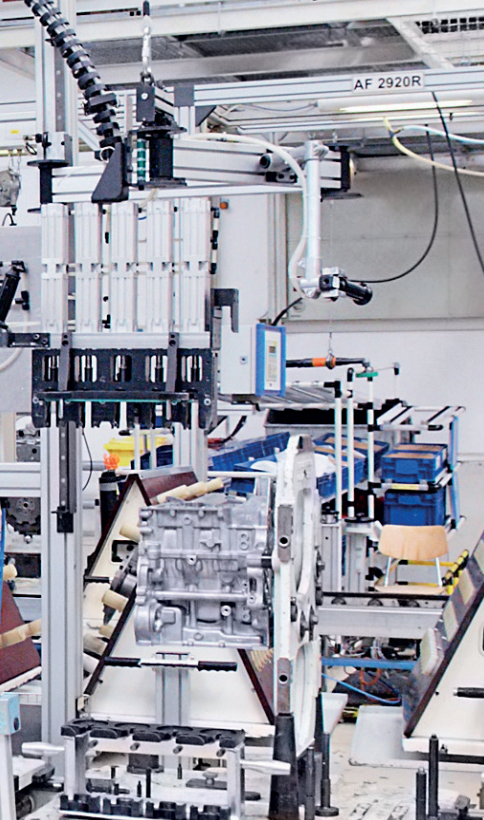
### With Screening Grid

- Free-standing installation of Safety Light Curtains and Safety Light Arrays
- Additional protection against mechanical influences

### With Deflection Mirror

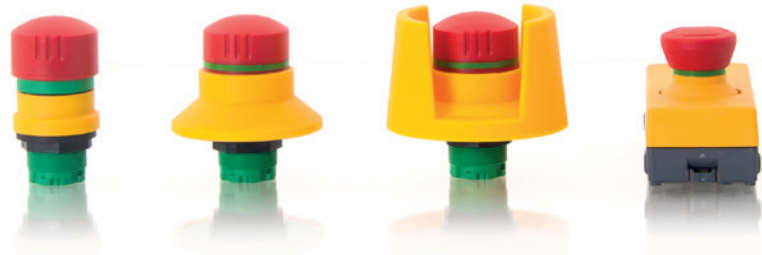
- Comprehensive and efficient securing of areas
- Flexible, easy mounting to floors or walls





## Emergency Stop Switches

- Self-monitoring
- High level of protection against tampering
- Quick installation thanks to standardized connector technology



## Safety Through Beam Sensors: Type 2, PL c

- Securing of areas of up to 20 m
- Quick and convenient alignment thanks to red light with large aperture angle
- Function check possible at any time via the test input



## Safety Relay: PL d / PL e

- Signal evaluation for the connected components
- Standards-compliant implementation of safety functions
- Simple setup via DIP switch
- Self-monitoring hybrid fuse
- LED display for comprehensive diagnostics
- Minimal installation width of just 22.5 mm
- Standardized design for easy integration





## PL e Safety Switches with RFID Technology

- Position monitoring for moving guards
- Increased process reliability thanks to preventive error messages
- Protection against tampering with three individually adjustable encodings
- Long service life thanks to contactless operation

## PL e Guard Locking Devices

- Protection against access to danger zones
- Increased process reliability thanks to preventive error messages
- Self-monitoring locking force of up to 750 N
- High levels of protection against tampering with integrated encoding

## Enabling Switches

- Machine monitoring during changeovers and service work in the danger zone
- Easy to use thanks to ergonomically shaped housing and minimal weight
- Optimized personal safety with 3-step enabling key function

The order designations and technical data for all products are available at [www.wenglor.com](http://www.wenglor.com).



**Discover further innovations.**



More information concerning our products is available at:  
[www.wenglor.com](http://www.wenglor.com)