MACHINE SAFETY
CERTIFIED PRODUCTS AND INTEGRATED SOLUTIONS

Pneumatics
It’s that easy
Stay on the safe side with AVENTICS

Safety first. We advise on all matters of machine safety for pneumatic controls and offer comprehensive service to help you develop and achieve a sound safety concept. We supply the right products and the required documentation.

Regulations and specifications dictate the design of safe machines
The regulations relevant for machine construction set a uniform level of safety for accident prevention as well as safety and health requirements for engineering. Pneumatics offers a wide range of technical safeguards. This includes restricted, secure speeds, reduced pressure and force, de-energizing through exhaust, ensuring secure movement directions, or stopping or blocking a movement.

Towards safe machinery: Risk assessment
The legal specifications for designing and operating machines require a risk assessment. This process serves to set the type and quality of protective measures to be taken and safety equipment to be implemented:

- **Risk analysis:** Determine the machine limits, identify and estimate risks
- **Risk evaluation:** Check and estimate design, technical, and instructive machine safety measures
- **Risk mitigation:** Realization of all safety functions

Draw on the knowledge of our experts for these complex tasks! We will help you perform a risk assessment, define the performance level, and implement a solution.

Example: LU6 series
Static locking or dynamic braking
- Prevent dangerous movements
- Secure hold in upper end position through clamping and one-sided pressurization
- Stopping a dangerous movement (emergency stop/emergency off)

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